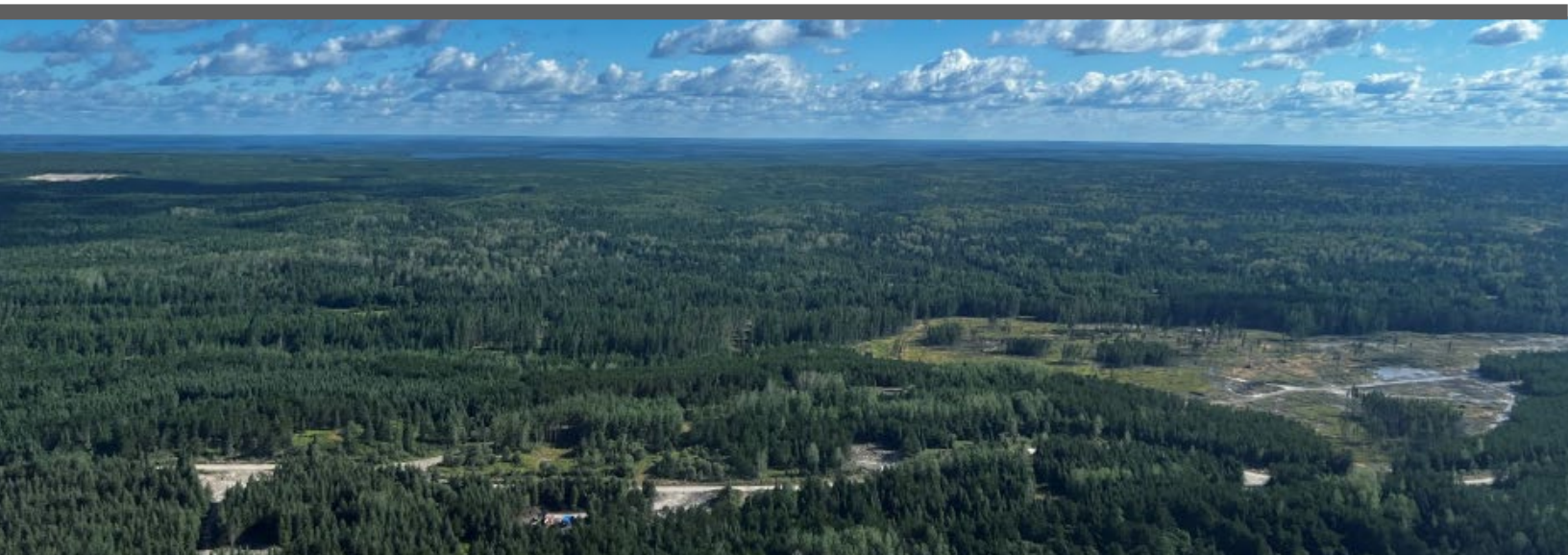
KINROSS Great Bear

Great Bear Gold Project
Impact Statement

Appendix K-3:

Receiver Water Quality Modelling Report



GREAT BEAR RESOURCES

GREAT BEAR PROJECT

RECEIVER WATER QUALITY MODELLING REPORT, REV. 1

DECEMBER 2025



GREAT BEAR PROJECT

RECEIVER WATER QUALITY MODELLING REPORT, REVISION 1

GREAT BEAR RESOURCES

PROJECT NO.: OMEMA2303
DECEMBER 2025

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ABBREVIATIONS

AEX	Advanced Exploration Program
BC WQG	British Columbia long-term exposure guidelines, freshwater
CCME	Canadian Council of Ministers of the Environment
FEQG	Federal Environmental Quality Guidelines
iPWQO	Interim Provincial Water Quality Objectives
kg/m^3	kilograms per square metre
km	kilometres
km^2	square kilometres
m	metres
m^3	cubic metres
m^3/h	cubic metres per hour
m^3/s	cubic metres per second
masl	metres above sea level
MDMER	Metal and Diamond Mining Effluent Regulations
MECP	Ministry of the Environment, Conservation and Parks
mg/L	milligrams per litre
ML/ARD	metal leaching and acid rock drainage
Mm^3	million cubic metres
MRS	mine rock stockpile
MWP	mine water pond
NPAG	non-potentially acid generating
OVB	overburden stockpile
PAG	potentially acid generating
Project	Great Bear Project
Property	Great Bear Property
PWQO	Provincial Water Quality Objectives
RPD	relative percent difference
SEQG	Saskatchewan Environmental Quality Guidelines
STP	sewage treatment plant
TMF	tailings management facility
TSS	total suspended solids
VMF	Viggo management facility
WAD cyanide	weak acid dissociable cyanide
WQG PAL	Water Quality Guidelines for the Protection of Aquatic Life
WSP	WSP Canada Inc.
WTP	water treatment plant

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1 INTRODUCTION

1.1 PROJECT BACKGROUND

Great Bear Resources Ltd. a wholly owned subsidiary of Kinross Gold Corporation, is proposing to develop a gold mine (the Great Bear Project or Project) at the Great Bear Property (Property). The Property is located approximately 25 kilometres (km) southeast of the Municipality of Red Lake (Figure 1-1) in northwestern Ontario. The Project involves extracting and processing ore from two open pits and an underground mine. The main components of the Project shown on Figure 1-2 include:

- Underground mine
- LP Central pit
- West Viggo pit / West Viggo management facility (VMF)
- East Viggo pit / East VMF
- Tailings management facility (TMF)
- TMF pond
- Mine water pond (MWP)
- AEX mine water pond
- AEX effluent treatment plant (ETP)
- AEX treated water pond (TWP)
- Holding pond
- Collection water pond (CWP)
- Main collection channel
- Dixie Creek flood protection berm
- Mine rock stockpile (MRS)
- Overburden stockpiles
- Ore stockpiles
- Process plant
- Other buildings and supporting infrastructure
- Water management and treatment facilities
- Sand and gravel (borrow) and quarry operations
- Explosives storage facility.

Construction of the mine site and associated infrastructure is expected to take approximately three years. Underground and open pit mining are expected to occur concurrently, with operation of the LP Central pit for up to about 9years, followed by underground mining only for an additional 17 years, for a total operations period of approximately 26 years. This will be followed by a closure phase, comprised of a three year active closure period when most of the decommissioning and reclamation is completed, and a passive closure period until the mine workings are filled and site waters are acceptable for passive release to the environment, and a final close out period of about six months when residual infrastructure is removed.

1.2 OBJECTIVE

This *Receiver Water Quality Modelling Report* has been prepared by WSP Canada Inc. (WSP) to summarize the findings of the receiver water quality modelling. The scope of work includes:

- Identifying the key pathways of interaction through which the Project may affect surface water quality of area watercourses and waterbodies
- Simulating potential changes in surface water quality, using appropriate modelling methods and robust data sources
- Provide the basis of the surface water quality effects assessment.

The receiver water quality model utilizes information from the Water Quality Baseline Report (WSP 2025a), Mine Site Water Quality Modelling Report (WSP 2025b), Mine Site Water Balance Report (WSP 2025c), Receiver Water Balance Report (WSP 2025d), Air Quality Modelling Report (WSP 2025e) and the Hydrogeological Modelling Report (WSP 2025f) completed by WSP.

1.3 ENVIRONMENTAL SETTING

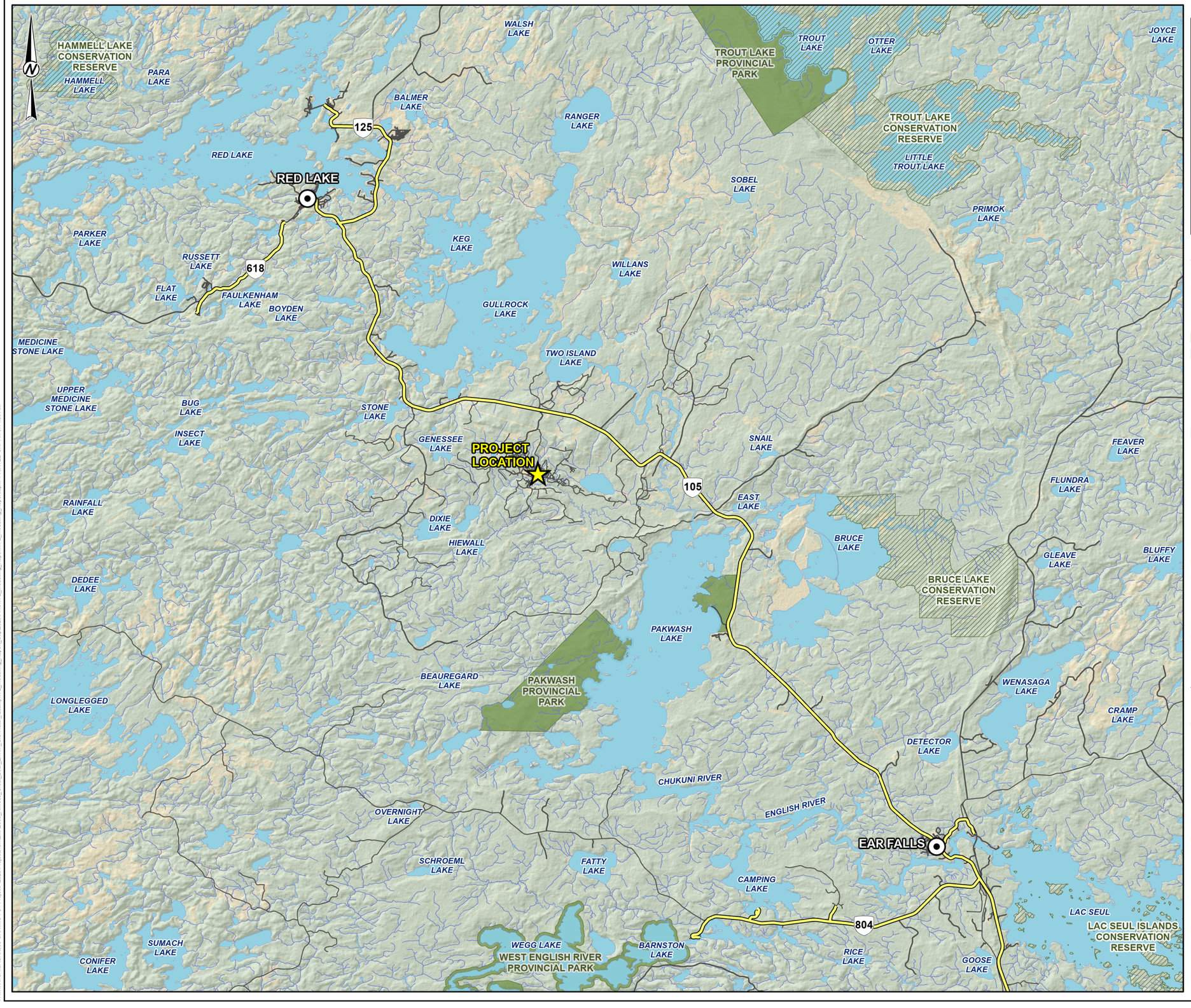
The Project is primarily situated within the Dixie Creek watershed which feeds into the Chukuni River and eventually drains into Pakwash Lake. The proposed Project footprint (approximately 18 square kilometres; km^2) comprises of roughly 0.4% of the Chukuni River watershed (4,801 km^2), upstream of Pakwash Lake. Regional and local watershed areas and boundaries are presented in Figure 1-3 and Figure 1-4, respectively. At a regional scale, the Property is within the Red Lake mining district in northwestern Ontario, which has a long history of gold exploration and mining production. There are historical and currently operating mines in the region and within the Chukuni River watershed, including the Red Lake Mine.

Dixie Creek crosses the southern portion of the Property and flows into the Chukuni River to the east. The Dixie Creek watershed is comprised of tributaries and inland lakes which feed Dixie Creek generating a total watershed area of 365 km^2. The main source of flow through Dixie Creek is from Dixie Lake which has a watershed area of 187 km^2, including Genessee Lake. Genessee Lake is located west of the Project site, adjacent to location of the proposed TMF and drains south to Dixie Lake. The southern subwatershed drains into the main branch of Dixie Creek at Unnamed Watercourse 7, approximately 6 km upstream of the confluence with the Chukuni River. Unnamed Waterbody 6 is located east of the Project and drains to Dixie Creek approximately 2 km upstream of the confluence with the Chukuni River.

The Chukuni River is the proposed receiving environment for the Project. The Chukuni River is a large, regulated watercourse with flow controlled by the Snowshoe Rapids Dam, constructed in 1927 to raise upstream water levels for transporting equipment and goods to support gold mining operations in the Red Lake area before the construction of Highway 105. Today, the Snowshoe Rapids Dam is operated by the Ministry of Natural Resources with multiple objectives in mind, including flood protection, navigation, water supply and environmental considerations. Water levels and flows are managed according to a rule curve designed to balance these goals. The local catchment area of the Chukuni River, at the proposed discharge location, is approximately 4,415 km^2.

The confluence of the Chukuni River into Pakwash Lake is about 6 km downstream by river of the of the proposed discharge location. Pakwash Lake is a large lake, greater than 98 km^2, with a maximum measured depth of 17.4 metres (m) and average depth of about 6.8 m. A bathymetric map of Pakwash Lake is provided in Figure 1-5. Pakwash Lake has a watershed area of approximately 8,020 km^2 and receives flow from the Chukuni River, Trout Lake River, Lac Seul and Cedar River (Figure 1-3). The Chukuni River enters the shallow north basin of Pakwash Lake (less than 4 m deep), which transitions into a larger, deeper central basin. The south basin remains consistently deep (greater than 10 m) and discharges to the English River system via the Chukuni River. The outlet of Pakwash Lake is located approximately 26 km downstream of the proposed discharge point on the Chukuni River.

Baseline surface water quality results indicate that water quality of Dixie Creek, the Chukuni River, and Pakwash Lake is typical of proposed mining developments in northern Ontario, including circumneutral to slightly acidic pH, low concentrations of nitrogen species (ammonia, nitrate, nitrite), low concentrations of total dissolved solids and occasionally elevated concentrations of some metals. Sulphate concentrations were variable across the baseline study area and ranged from 0.15 to 25.0 milligrams per litre (mg/L), with a 2.2 mg/L average across all samples collected. In the Chukuni River, concentrations of most total and dissolved metals were low, except for total arsenic and total phosphorus, which were observed to be frequently greater than Water Quality Guidelines for the Protection of Aquatic Life (WQG PAL). Concentrations of most total and dissolved metals were low in Dixie Creek; however, total arsenic, total and dissolved aluminum, total iron and total phosphorus results were frequently greater than WQG PAL.



KEY MAP



SCALE: 1:30,000,000

LEGEND

- PROJECT LOCATION
- TOWN
- CONSERVATION RESERVE
- PROVINCIAL PARK
- HIGHWAY
- LOCAL ROAD
- RESOURCE / RECREATION ROAD
- WATERCOURSE
- WATERBODY

0 2.5 5 10

1:250,000 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. WATERCOURSES AND WATERBODY ACQUIRED FROM LAND INFORMATION ONTARIO (MNRF) AND MODIFIED TO MATCH AERIAL IMAGERY AND LIDAR.
3. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
4. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
PROJECT LOCATION

CONSULTANT

wsp

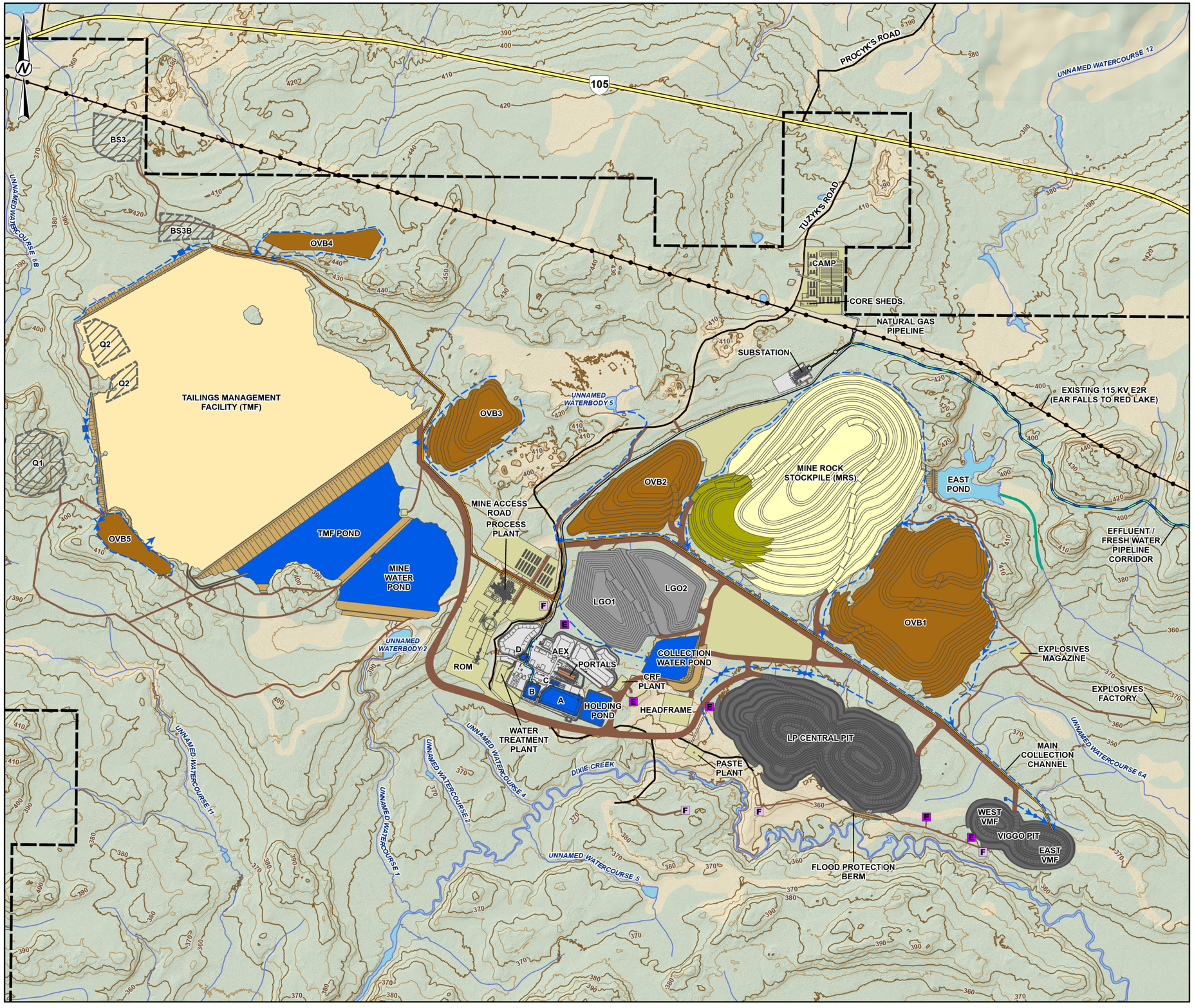
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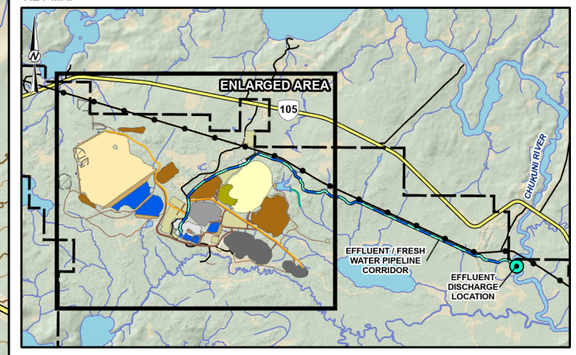
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KEY MAP



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LEGEND

- PROPERTY BOUNDARY
- HIGHWAY (INCLUDING ENBRIDGE PIPELINE)
- LOCAL ROAD
- EXISTING TRANSMISSION LINE
- WATERCOURSE
- WATERBODY
- MAJOR CONTOURS (10 M INTERVAL)
- MINOR CONTOURS (5 M INTERVAL)

PROPOSED MINE FEATURE

- OPEN PIT
- MINE ROCK STOCKPILE (NPAG)
- MINE ROCK STOCKPILE (PAG)
- LOW GRADE ORE STOCKPILE (LGO)
- OVERBURDEN STOCKPILE (OVB)
- TAILINGS MANAGEMENT FACILITY (TMF)
- DAM
- POND
- COLLECTION DITCH
- MINE FACILITIES / INFRASTRUCTURE
- ROAD
- PORTAL
- ADVANCED EXPLORATION SITE (AEX)
- ROCK QUARRY (Q) / SAND AND GRAVEL PIT (B)
- DIVERSION CHANNEL
- EXHAUST VENT RAISE
- FRESH AIR VENT RAISE
- TRANSMISSION LINE
- TAILINGS PIPELINE
- PASTE PLANT PIPELINE
- EFFLUENT / FRESH WATER PIPELINE CORRIDOR
- EFFLUENT DISCHARGE LOCATION

0 0.25 0.5 1

1:26,500 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE
2. VMF: VIGGO MANAGEMENT FACILITY
3. ROM: RUN OF MINE ORE
4. AEX PONDS: A-AEX MINE WATER POND, B-AEX TREATED WATER POND, C-AEX SETTLING POND, D-AEX SEDIMENT POND

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. CONTOURS ACQUIRED FROM 2022 LIDAR SURVEY.
3. PROPERTY BOUNDARY PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2024.
4. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
5. SITE PLAN BASED ON INFORMATION PROVIDED BY GREAT BEAR RESOURCES, DECEMBER 2024 / JUNE 2025.
6. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
SITE PLAN (TOPOGRAPHY)

CONSULTANT
wsp

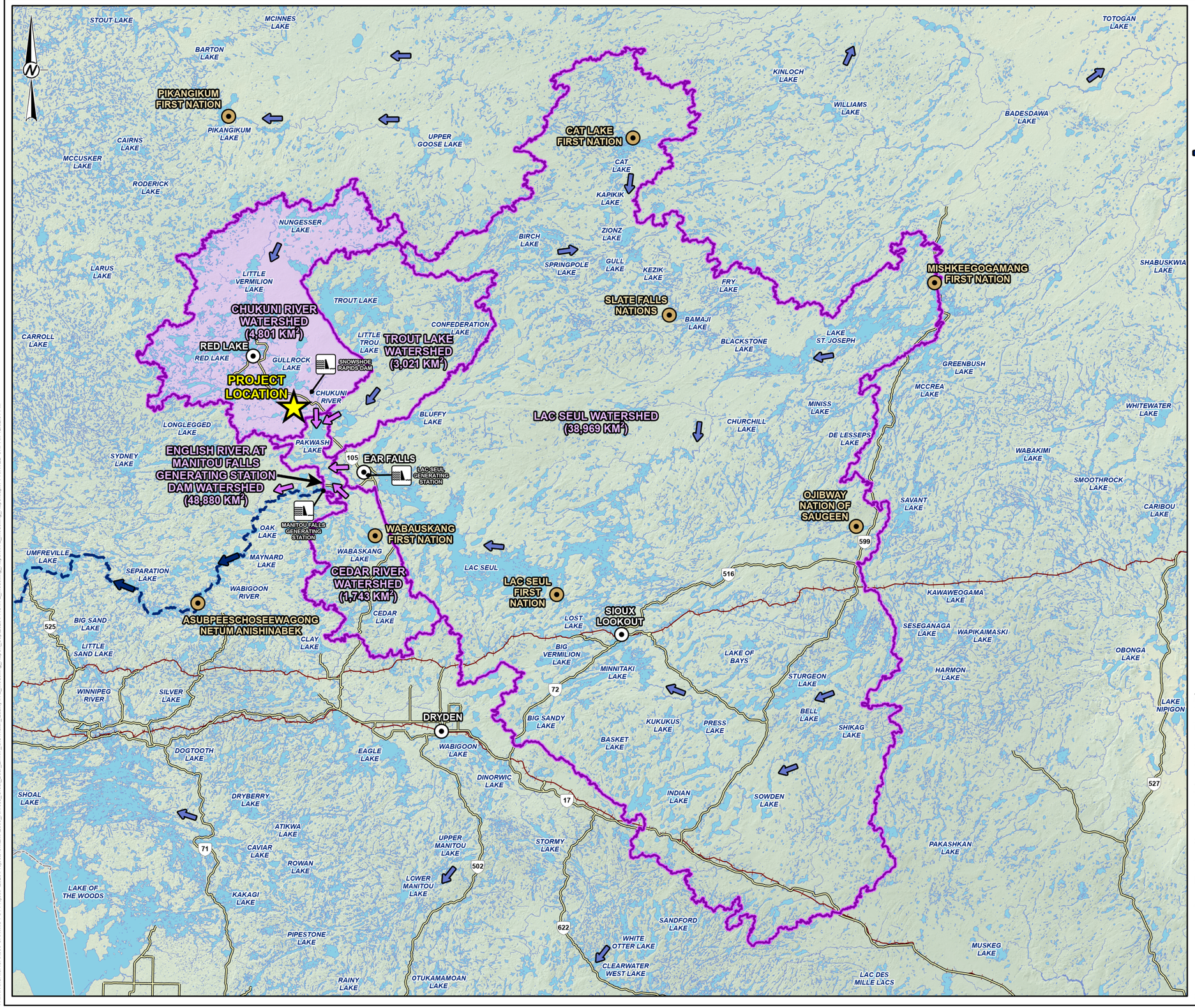
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APPROVED	----

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LEGEND

- PROJECT LOCATION
- FIRST NATION RESERVE
- TOWN
- DAM / GENERATING STATION
- CHUKUNI RIVER WATERSHED
- OTHER WATERSHED
- APPROXIMATE FLOW DIRECTION OF THE ENGLISH RIVER SYSTEM
- HIGHWAY
- RAILWAY
- NATIONAL BOUNDARY
- WATERSHED OUTLET
- FLOW DIRECTION

0 12.5 25 50

1:1,400,000 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. WATERSHEDS DELINEATED USING ONTARIO WATERSHED INFORMATION TOOL (MNRF).
3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
REGIONAL WATERSHED BOUNDARIES

CONSULTANT

wsp

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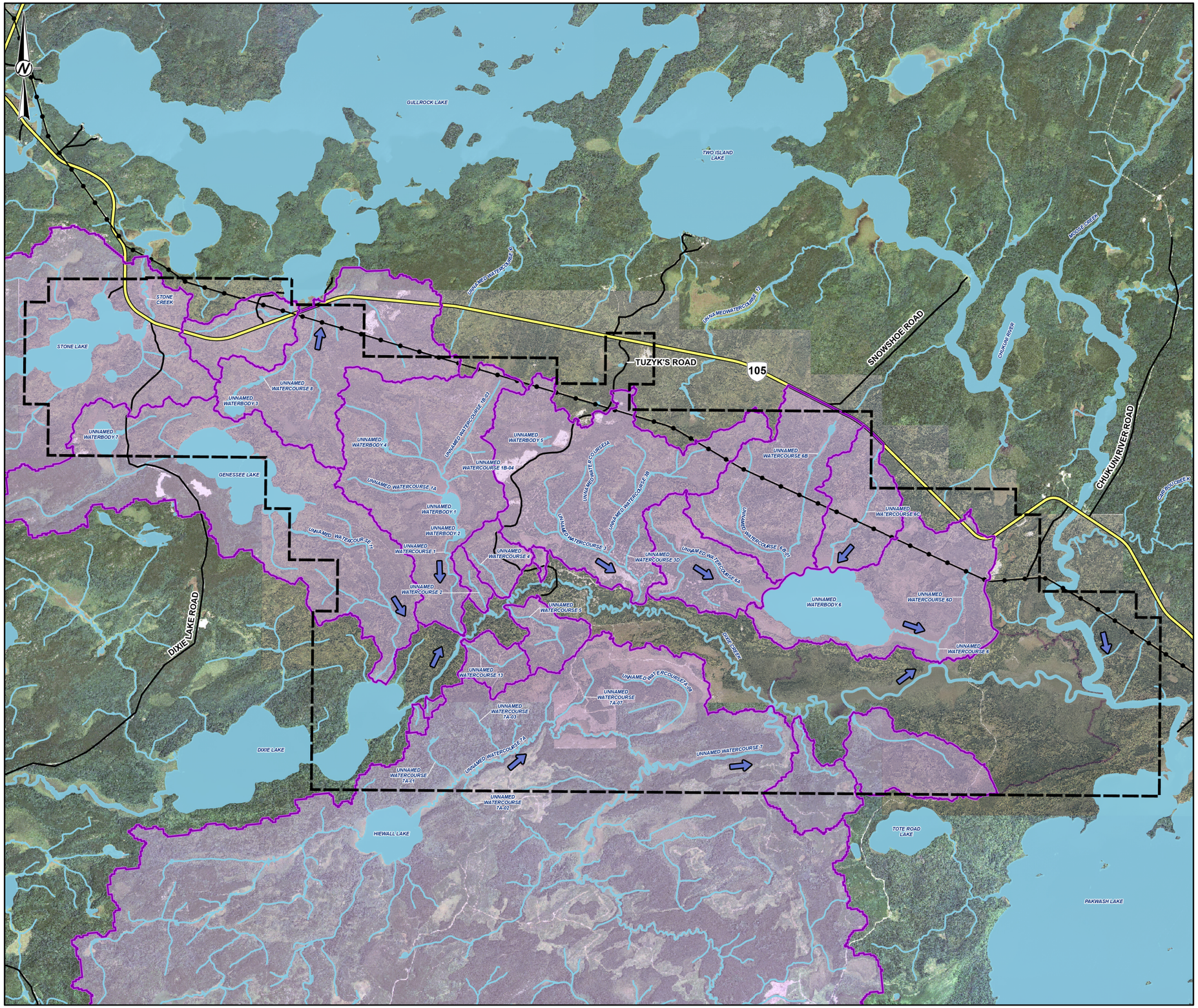
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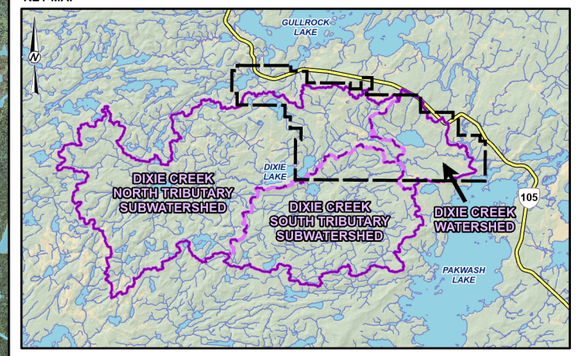
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KEY MAP



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LEGEND

- PROPERTY BOUNDARY
- PROPERTY SUBCATCHMENT
- DIXIE CREEK SUBWATERSHED (SHOWN IN KEY MAP)
- DIXIE CREEK WATERSHED (SHOWN IN KEY MAP)
- HIGHWAY
- LOCAL ROAD
- EXISTING TRANSMISSION LINE
- WATERCOURSE
- WATERBODY
- FLOW DIRECTION

0 1 2 4

1:70,000 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. AERIAL IMAGERY PROVIDED BY GREAT BEAR RESOURCES (SCENE DATE: SEPTEMBER 2022).
3. PROPERTY BOUNDARY PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2024.
4. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
5. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
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TITLE
LOCAL WATERSHED AREAS

CONSULTANT

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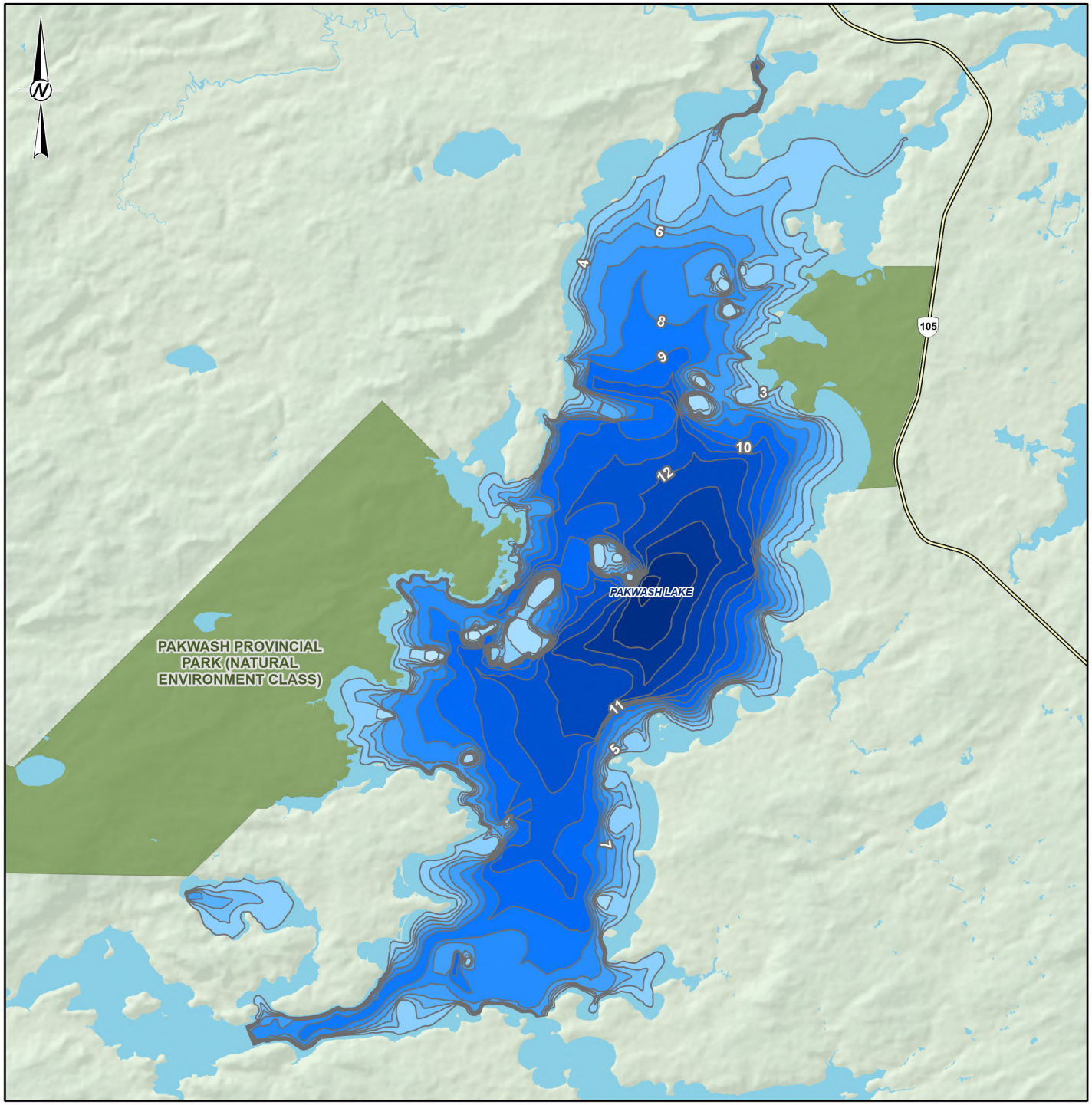
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NOTE(S)

1. BATHYMETRY INTERPOLATED FROM 1972 TRANSECT SURVEY

0 1,000 2,000 4,000

1:98,000 METRES

LEGEND

- HIGHWAY
- WATERBODY
- PROVINCIAL PARK

PAKWASH LAKE BATHYMETRY (FILLED CONTOURS, m)

- 16 - 17
- 15 - 16
- 14 - 15
- 13 - 14
- 12 - 13
- 11 - 12
- 10 - 11
- 9 - 10
- 8 - 9
- 7 - 8
- 6 - 7
- 5 -6
- 4 - 5
- 3 - 4
- 2 - 3
- 1 - 2

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1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
PAKWASH LAKE BATHYMETRY

CONSULTANT

wsp

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2 WATER MANAGEMENT AND DISCHARGE

This section summarizes the water management and treatment components relevant to the receiving water quality model. It outlines how water will be managed and discharged during the various phases of the Project, providing context for the receiving water quality modelling approach, data inputs and results. Detailed description of the Project's water management system is provided in the Mine Site Water Balance Report (WSP 2025c). The information and associated water balance model predictions from that report have been directly incorporated into this receiving water quality model.

The Project's water management strategy incorporates best management practices, tailored to the specific requirements of each Project phase, to support effective collection, control and treatment of water. Both contact water, defined as water that interacts with Project infrastructure or activities, and non-contact water will be present. Contact water may contain elevated concentrations of metals, metalloids, and nutrients compared to WQG PAL and / or baseline water quality conditions, and such water must be appropriately collected, managed, and discharged, as applicable. Contact water qualities are predicted by the Mine Site Water Quality Model (WSP 2025b).

Overall water management engineering for the Project is based on the following approach:

- Reduce the generation of contact water by diverting non-contact water away from the site where feasible, and by collecting and transferring contact water to the integrated site water management system. This system will be established during the construction phase and maintained through the operations phase and will continue into the closure phase, as appropriate.
- Collection and transfer of contact water into the integrated site water management system, initiated during the construction phase and maintained through operations. The contact water management system is designed to collect, store, convey and treat contact water for an environmental design flood, defined as the 100-year return period event during the operations and closure phases.
- Management of contact water in facilities designed to be protective of the environment, using facilities constructed on low-permeability native materials or lined with commercial-grade liners to reduce seepage, as appropriate
- Recycling and re-use of contact water on the site, including for use in ore processing during commissioning and operations, and dust control during all Project phases
- Treatment of excess contact water to meet applicable regulatory discharge criteria, with treated effluent released to the Chukuni River. Treated effluent discharge will occur in adherence with anticipated provincial and federal regulatory requirements, including the Ministry of the Environment, Conservation and Parks (MECP) Policy B-1-5 and the Metal and Diamond Mining Effluent Regulations (MDMER).

The layout of the surface water management infrastructure is shown in Figure 1-2.

Discharge requirements are predicted to vary throughout the Project, as shown in Figure 2-1, which presents predicted effluent discharge rates for the average climate condition (WSP 2025c).

In construction, discharge of treated effluent to the Chukuni River (0.31 to 0.78 $Mm^{3/}$year)

In operations, average annual discharge to the environment ranges from 4.64 to 7.22 million cubic metres (Mm^3) , peaking in Year 26 (the last year in operations).

The Project will transition to the closure phase following the end of operations, when mining and process plant activities cease. The active closure period is expected to span approximately three years when the majority of site reclamation is completed. During this period, contact water from the site will be redirected to the LP Central pit to help expedite the filling of the pit with water. Freshwater will also be drawn from the Chukuni River via the treated effluent pipeline to fill the LP Central pit, VMF, and underground

workings. No treated effluent will be discharged to the Chukuni River during this time. Filling of the LP Central pit, VMF and underground workings are anticipated to be complete by the end of Year 30 (Section 5.19.3.1).

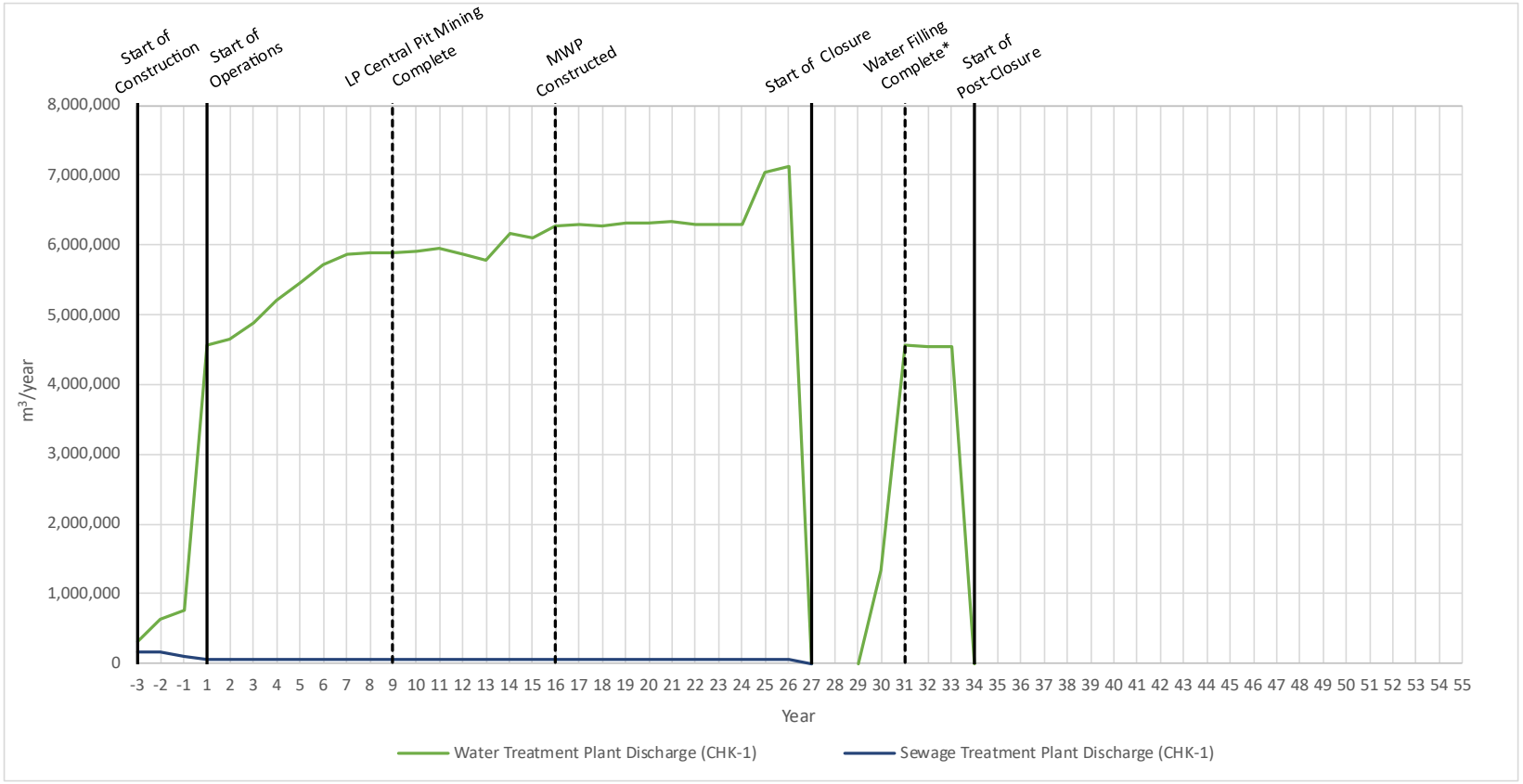
Once the LP Central pit is filled to approximately 5 m below the future outflow elevation:

- If the water quality does not meet regulatory needs, the LP Central pit lake will be maintained at that level by pumping and treating water in the water treatment plant (WTP) for discharge to the Chukuni River.
- Once the water quality in the pit lake meets regulatory needs, the pit lake will be allowed to continue to fill and will periodically overflow through a spillway to a residual channel of Unnamed Watercourse 3 (which flows to Dixie Creek).

For modelling purposes, it has been assumed that contact water from the Project will require treatment and discharge to the Chukuni River for a period of at least three calendar years once filling of the LP Central pit, VMF and underground mine is complete (WSP 2025c). The actual duration will be determined based on water quality results at the time. A passive closure period was evaluated in the model to simulate site water quality following pit filling where the water quality is not yet suitable for passive discharge to the environment. During this passive closure period, treatment and discharge to the Chukuni River will resume, discharging up to 4.6 Mm^3 per year. The reduction in site discharge compared to the operations phase is driven by reduced runoff and groundwater inflows, due to site reclamation activities.

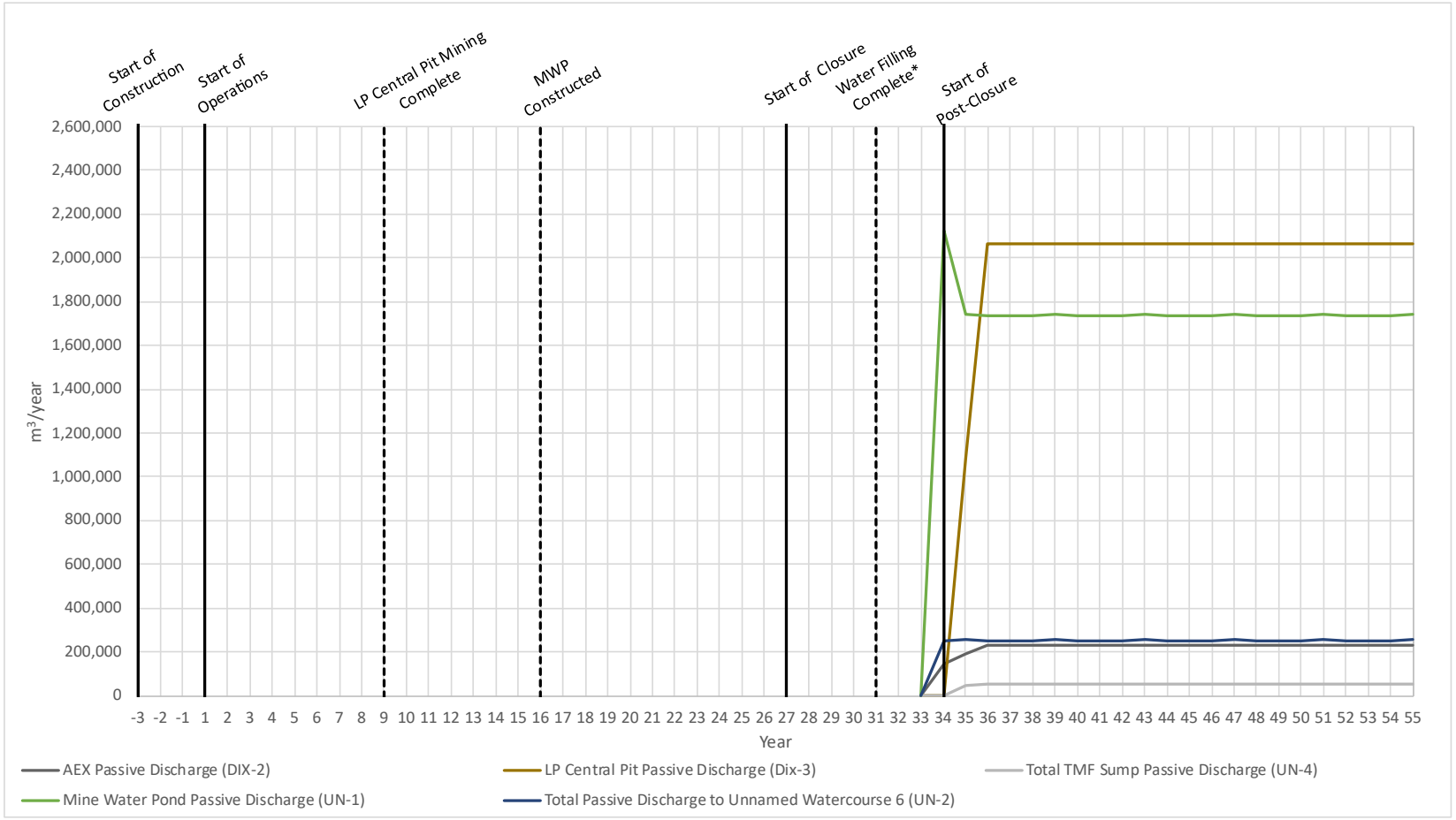
Once water quality objectives for the closure phase are achieved, the final closure period will be initiated. During the final closure period, the WTP and related infrastructure will be decommissioned, and the site will passively discharge to the environment. Predicted passive discharge rates for average climate conditions are presented in Figure 2-3. The MWP discharge to Unnamed Watercourse 1 peaks in the first year of passive closure (Year 34) as the TMF pond and MWP dams will be lowered, and excess water will be directed to the environment.

Additional discussion of water treatment is provided in Section 3.4.3.



Note:
"Water Filling" refers to the filling of the LP Central pit, VMF, and underground mine with water from the Project site and freshwater from Chukuni River.

Figure 2-1: Site Discharge – Average Climate Conditions



Note:
"Water Filling" refers to the filling of the LP Central pit, VMF, and underground mine with water from the Project site and freshwater from Chukuni River.

Figure 2-2: Passive Discharge – Average Climate Conditions

3 METHODOLOGY

3.1 INFORMATION SOURCES

This receiver water quality model has been developed using empirical data and predictive model results from the following technical reports, listed as follows:

Water Quality Baseline Report (WSP 2025a)	– Characterizes existing surface water quality conditions in the Project area. – Initial condition of the receiving environment is equivalent to median or average (Section 3.4.1) baseline concentration for water quality parameters (Appendix A).
Mine Site Water Quality Modelling Report (WSP 2025b)	– Provides water quality estimates for mine site features, including seepages and WTP influent qualities. The sewage treatment plant (STP) discharge constitutes less than 1 percent (%) of the combined WTP and STP total discharge flow to the environment; effluent quality is thus assumed equivalent to predicted WTP quality. – Modelled parameters are concentrations (mg/L).
Mine Site Water Balance Report (WSP 2025c)	– Predicts the quantity of treated effluent discharge to the receiving environment; estimates runoff from the various modelled land uses. – Modelled parameters are flows (cubic metres per second).
Receiver Water Balance Report (WSP 2025d)	– Predicts the changes in flows and flow regime in the receiving environment because of Project development, including changes in groundwater-surface water interactions as estimated by hydrogeological modelling (WSP 2024e). – Modelled parameters are flows (cubic metres per second).
Air Quality Modelling Report (WSP 2025e)	– Assesses the changes in air quality from emissions related to Project activities. – Modelled parameters used in this assessment are total dust deposition rates (grams per metre squared).

3.2 MODEL OVERVIEW

This receiver water quality model was developed using mass-balance calculations in GoldSim to simulate the transport and concentration of chemical species over the life of the Project. Model predictions were generated over a timeseries of consecutive monthly timesteps, aligned to the water balance (WSP 2025c,d) for all Project phases (Figure 3-1). In addition, long-term equilibrium conditions representing post-closure steady-state were modelled.

In this receiver water quality model, the Project interacts with the surface water environment through six general pathways, based on information sources identified in Section 3.1:

- Diverted non-contact water
- Water taking
- Fugitive seepage from Project components
- Treated effluent discharge to the receiving environment (the Chukuni River)
- Passive discharge from reclaimed Project catchment areas
- Fugitive dust deposition.

To characterize the potential influence of these Project-related interactions on existing surface water quality, model predictions were generated at strategically selected locations, referred to as nodes (Figure 3-2). These nodes represent locations where the Project is expected to interact with the surface water receiving environment, as identified through the information sources outlined in Section 3.1. This node based approach is an industry standard practice and provides a structured framework for evaluating potential water quality changes.

Additional details regarding model configuration, data inputs and assumptions are provided in the following sections.

3.3 MODEL CONFIGURATION

3.3.1 MODEL NODES

A total of 20 modelling nodes were identified within the Dixie Creek, Chukuni River and Pakwash Lake watersheds. The modelling nodes are described in Table 3-1 and presented in Figure 3-2.

Modelling nodes were named and organized as follows:

- Nodes with the DIX prefix are located on Dixie Creek, from the Dixie Lake outlet (DIX-1) to the Tote Road bridge crossing (DIX-5), approximately 3.6 km upstream from the Dixie Creek confluence with the Chukuni River.
- Nodes with the UN prefix are located on unnamed waterbodies or watercourses, within and adjacent to the Project footprint.
- Nodes with the GEN prefix are located within Genessee Lake area; GEN-L is the most upstream modelling node which ultimately reports to Dixie Creek via Dixie Lake.
- Nodes with the CHK prefix are located on the Chukuni River, both upstream and downstream of the Dixie Creek confluence.
- Nodes with the PAK prefix are located within Pakwash Lake. PAK-OUT is the most downstream modelling node, located at the outlet of Pakwash Lake, approximately 26 km downstream of the proposed discharge point on the Chukuni River.

3.3.2 MODELLED PHASES

The following Project phases were evaluated in this receiver water quality model:

- Construction phase (Year -3 to Year -1)
- Operations phase (Year 1 to Year 26)
- Closure phase (including active closure and passive closure periods; Year 27 to Year 33)
- After the completion of the closure phase, a final closure period period will occur starting in Year 34.

Figure 3-1 shows the approximate timeline of the Project phases, highlighting key events within each phase that influence onsite water management and interactions with the receiving environment. Detailed discussion of mine site material and water management is provided in the Mine Site Water Quality Modelling Report (WSP 2025b) and the Mine Site Water Balance (WSP 2025c). Project activities in each Project phase are summarized in this section to provide context for the modelling approach and results documented herein.

Throughout the construction, operations, and closure phases, excess water at the Project site will be collected, treated, and discharged via a pipeline to the Chukuni River on a year-round basis immediately upstream of node CHK-1 (Figure 3-2). This includes treated effluent discharge from the WTP, membrane filtration and the STP, as applicable.

The construction phase occurs from Year -3 to Year -1. During construction, non-contact water will be diverted to minimize water entering the Project site. Runoff from areas disturbed by construction will be managed locally, avoiding watercourses, and tested for total suspended solids (TSS) and nitrogen species from explosives use, prior to discharge to its existing (pre-development) watersheds. Runoff from areas that may contain potentially deleterious material will be collected and treated by the Advanced Exploration Program (AEX) effluent treatment plant or WTP prior to discharge or stored for process plant commissioning and start-up.

The operations phase corresponds to Year 1 through Year 26. During this time, water from the entire Project site and process plant is actively managed. In the first 15 years, contact water from the Project's watershed is directed to the TMF pond, the AEX mine water pond, and the VMF. From there, collected contact water is conveyed to the WTP, except for excess water from the TMF and TMF pond, which is routed for membrane filtration treatment. Treated effluent from both treatment streams is conveyed to the AEX treated water pond prior to discharge to the receiving environment. Starting in Year 16, the MWP will be constructed to support ongoing site water management. This addition is necessary due to the anticipated reduction in available water storage capacity within the east VMF. Excess water collected in the MWP will be pumped to the AEX mine water pond for treatment and subsequent discharge.

Modelling for the closure phase included an active closure period and passive closure period. Post-closure was also modelled. The closure phase is assumed to be initiated immediately after the end of operations (Figure 3-1). The Project will enter the active closure period once the operations phase has ended, and mining and process plant operations have ceased; it is assumed the active closure phase will occur over three years (Year 27 to 29). During this time, fresh water will be drawn from the Chukuni River through the treated effluent pipeline, to actively fill the LP Central pit, the VMF and the underground workings with water. There are no treated effluent discharges to the Chukuni river during this time; all pit filling is completed by the end of Year 30.

During the closure phase, in order to evaluate potential effects in a scenario where site water quality is not yet suitable for passive discharge to the environment immediately following pit filling, it has been assumed that passive closure (considered as a water management sub-phase) will extend approximately three calendar years after the LP Central pit and VMF have been filled. During this time, the water management strategy will remain the same, but it is assumed that water from the LP Central pit lake and Viggo pit lake will require treatment and discharge to the Chukuni River (CHK-1).

Once water quality objectives for the closure phase are achieved, the WTP and related infrastructure will be decommissioned, and the site will passively discharge to the environment. In the model, these

conditions are represented by predictions for long-term steady state flows and geochemical loadings. The expected passive discharge locations to the environment are provided in Figure 2-2. Predicted passive discharge rates for average climate conditions are presented in Figure 2-3. Geochemical loadings (source terms) integrated into this receiving environment model are discussed in Section 3.4.2.

3.3.3 MODELLED PARAMETERS AND WATER QUALITY GUIDELINES

Modelled parameters include:

- Parameters with Provincial Water Quality Objectives (PWQO) and interim PWQO (iPWQO) for the protection of aquatic life (Table 3-3)
- Nutrients and anions, including nitrate, nitrate, ammonia, chloride and sulphate
- Parameters identified within the Mine Rehabilitation Code of Ontario (O. Reg 35/24): cyanide, ammonia, sulphate, aluminum, arsenic, cadmium, calcium, copper, iron, lead, mercury, molybdenum, nickel and zinc
- Parameters with effluent criteria as per the federal MDMER: arsenic, copper, cyanide, lead, nickel, zinc and un-ionized ammonia
- Parameters of interest identified as an outcome of consultation and engagement including sulphate and mercury.

Modelled parameters do not include TSS. The industry-standard water quality models used cannot accurately represent or predict TSS levels due to the complexity of TSS sources and transport mechanisms, that make it difficult to establish consistent relationships between model input parameters and TSS levels. In Ontario, mining operations must adhere to stringent regulatory requirements and environmental standards governing water quality, including TSS levels. Comprehensive water management mitigation strategies for TSS have been integrated into the Project's design, providing proactive measures to safeguard water quality and minimize the potential for environmental effects.

Although pH and radium-226 are listed under the MDMER, these parameters were not included in the predictive modelling due to:

- Known methodological limitations: pH cannot be reliably estimated using a mass balance approach, as it is a dynamic parameter influenced by complex geochemical interactions rather than additive concentration inputs. Estimated pH for contact water qualities are provided in the Mine Site Water Quality Modelling Report (WSP 2025b).
- A geochemical source term for radium-226 was not available, there is no anticipated loading source for radium, precluding its inclusion in this receiving environment model.

All effluent discharged from the Project will comply with anticipated regulatory requirements; for pH this corresponds to pH range of 6.5 to 8.5 for treated effluent discharge, during all periods of discharge. This required pH range has been incorporated into water treatment design criteria and engineering (Section 3.4.3, Appendix C). Furthermore, baseline monitoring data for both pH and radium-226 are available and will be used to support follow-up monitoring and address anticipated compliance verification throughout the Project lifecycle.

To support the Impact Statement, model results were compared to a consistent set of WQG PAL as per WSP's most recent experiences and the latest guidance from the MECP. The WQG PAL used are listed in Table 3-3. WQG PAL are based on rigorous peer-reviewed study to specifically safeguard the most sensitive life stages of aquatic species for periods of indefinite exposure. For parameters with PWQO and iPWQO, recent MECP guidance has recommended the utilization of the most up-to-date and scientifically defensible WQG PAL sourced from either the PWQO / iPWQO, Canadian Council of Ministers of the Environment Water Quality Guidelines, Federal Environmental Quality Guidelines, or as available guidelines from other provinces, as appropriate. This approach aligns with the evolving regulatory landscape and reflects the commitment to adhere to the most up-to-date standards in safeguarding aquatic ecosystems.

To support the receiver water quality assessment, model results are also compared to baseline water quality concentrations. A threshold of 20% relative percent difference (RPD) is used to identify changes in water quality predicted by the mass balance as measurably different from baseline concentrations (i.e. a likely observable change). A calculated RPD represents a straightforward and interpretable metric for interpreting predicted concentrations relative to baseline values, allowing for focussed discussion on predicted incremental increases in water quality concentrations, as applicable. The use of RPD as a screening tool here is particularly appropriate in the context of this conservative mass balance model, which does not account for natural attenuation processes such as degradation or attenuation; i.e., by design, the modelling approach herein assumes that all mass introduced into the system remains in the system. This assumption will result in higher predicted concentrations than would likely occur under real-world conditions for many parameters. As such, a calculated RPD serves as a useful screening tool for flagging potential changes and identifying the key incremental changes relative to existing conditions. The selected 20% threshold corresponds to general analytical resolution capabilities of water quality lab tests and considers that a calculated RPD of 20 to 25% are generally used in quality assurance and quality control protocols of environmental monitoring programs to define data as measurably different (BC MOE 2013 and CCME 2016). The RPD is calculated here as:

$$\text{RPD} = \frac{(\text{predicted concentration} - \text{baseline concentration})}{((\text{predicted concentration} + \text{baseline concentration}) * 0.5)}$$

While RPD is a useful screening tool for identifying key parameters, it should always be interpreted in conjunction with absolute concentrations. This is particularly important at low concentrations, where an RPD threshold of 20%, although helpful for guiding discussion, corresponds to a very small magnitude of change.

3.4 DATA INPUTS AND SOURCE TERMS

3.4.1 GENERAL DATA INPUTS AND ASSUMPTIONS

Water quality model results are dependent on several inputs, including meteorological conditions, baseline surface water quality conditions, outcomes of geochemical test work, and operational schedule and mine development planning. Where uncertainty exists, professional knowledge and experience was used to develop a conservative approach, or a sensitivity analysis was completed (Section 3.5).

The general model assumptions included:

- Predictive modelling is conducted on a monthly time-step as a continuous timeseries, from mine Year 1 through Year 55.
- Existing conditions of Project area watercourses and waterbodies, including the Chukuni River (the receiving environment) are equivalent to monthly median (or average) baseline concentrations, where the number of samples available for each month were greater than three. In cases where only one or two baseline data samples were available for that month (e.g., winter months when monitoring locations could not be safely accessed during the baseline sampling program), source term inputs for unnamed watercourses were instead developed as seasonal inputs (i.e. quarterly grouping: November to January, February to April, May to July, August to October). For unnamed waterbodies, if less than three datapoints per month were available, source terms were developed for under ice versus. open water seasons (November to April and May to October). Model source terms for existing conditions are provided in Appendix A.
- For existing conditions source terms, half the reported method detection limit (MDL) was used for source terms if a result was below the MDL, as applicable. This approach is consistent with available guidance documents regarding environmental data handling (EPA 1990, EPA 1991, Environment Canada 2012). This substitution assumes that all values between zero and the MDL could be present and that the average value of non-detects could be as high as half the MDL. Adherence to available guidance documentation in this regard follows regulatory standards while promoting consistency in

data interpretation and reporting across various stages of the Project life cycle and between provincial and federal jurisdictions relevant to the Project.

- Project operational and engineering components turn on and off instantaneously.
- Treated effluent discharge occurs immediately upstream of node CHK-1 (Figure 1-2) at the required discharge rates predicted by the mine site water balance (WSP 2025c).
- Mixing of Project-related discharges such as seepage and treated effluent discharge with the receiving environment does not consider attenuation and it is assumed to be instantaneous and complete.
- Precipitation and evaporation are assumed to be neutral inputs and outputs with no associated geochemical loads.
- Along fugitive seepage pathways from Project components to Dixie Creek, Unnamed Waterbody 6, Unnamed Watercourse 1, Unnamed Watercourse 2, Unnamed Watercourse 5, and Dixie Creek, water quality parameters behave conservatively and are not reduced by mechanisms such as secondary mineral formation, dilution by regional groundwater, attenuation through sorption processes, or biogeochemical reactions such as assimilation or biodegradation.
- Along the treated effluent discharge flow pathway, water quality parameters behave conservatively and are not reduced by mechanisms such as secondary mineral formation, attenuation through sorption processes, or biogeochemical reactions such as assimilation or biodegradation.

3.4.2 GEOCHEMICAL SOURCE TERM INPUTS

The Mine Site Water Quality Modelling Report (WSP 2025b) incorporates the results of geochemical baseline characterization programs conducted to support the Impact Statement and estimates the quality of contact waters to be managed on site. This section summarizes key inputs and model results from that report, that have been used in this receiver water quality model.

The approach and testing methods used in the geochemical characterization studies were based on the requirements described under the *Ontario Mining Act*; namely guidance found within the reference document Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials (MEND 2009), which represents best practice and industry-standard approaches and methodologies for metal leaching and acid rock drainage (ML/ARD) sampling and characterization in Canada.

The overall goal of the ML/ARD program is to generate the data needed to inform mine planning and management decisions related to mined materials, including overburden, mine rock, and ore-grade materials, as well as exposed mine surfaces and other geologic materials such as tailings and backfill. The overall objectives of the ML/ARD characterization program included:

- Obtaining samples that accurately represented the geochemical variation of mine rock and ore-grade materials in the region of the proposed development
- Characterizing the ML/ARD potential of tailings and paste backfill to be produced by the Project
- Evaluating the geochemical characteristics of overburden that will be relocated as part of Project development.

Various types of mine materials will be managed at the Project, including non-potentially acid generating / non-metal leaching (NPAG / NML) mine rock, non-acidic potentially acid generating (PAG) mine rock, acidic PAG mine rock, non-potentially acid generating / metal leaching (NPAG / ML) mine rock, NPAG desulphurized tailings, and PAG concentrate tailings. PAG and NPAG / ML mine rock will be placed in the MRS or rehandled as underground backfill. The MRS will be covered with a revegetated low permeability compacted clay cover, prior to acidification of the PAG rock, to limit the interaction of surface water and oxygen with these materials and consequently reduce mass loadings from the mine rock. NPAG / NML mine rock will be stockpiled at the MRS and used for construction activities at the Project. Any NPAG / NML rock remaining at the MRS at closure will be covered and revegetated. NPAG desulphurized tailings will be stored in the TMF and ultimately covered with a revegetated soil cover. PAG concentrate tailings

will be placed sub-aqueously in the east VMF and isolated from atmospheric oxygen. The submerged PAG concentrate tailings will be covered in a blanket of NPAG tailings prior to closure and accelerated filling of the VMF with water. Tailings (prior to flotation) along with membrane filtration reject solution (previously stored in the west VMF) will also be used to generate paste tailings that will be used underground as backfill. The specific geochemical characteristics of these mine materials were considered in detail for contact water quality predictions as described in the Mine Site Water Quality Report (WSP 2025b).

The Mine Site Water Quality Modelling Report (WSP 2025b) is a mass balance water quality model structured as a monthly water balance with associated baseline water quality inputs and geochemical source terms to estimate contact water quality (e.g., interacting with mine rock, tailings, and underground) as well as evaluate the transfer of water volumes and mass loads through the mine site to the WTP. The model outputs were used to generate source terms (input values) for this receiving water quality model and are provided in Appendix B for ease of reference. The model results for contact water quality from the mine site water quality model are:

- Operations Phase: estimates include the influent to the WTP (AEX pond), the influent to the membrane filtration treatment plant (TMF pond), fugitive seepage from the TMF and mine water pond (MWP) and contact water from the VMF.
- Active closure period: estimates include fugitive seepage from the TMF and MWP, TMF pond water and fugitive seepage, VMF pond water and fugitive seepage, and the overall site contact water pumped to the LP Central pit as part of accelerated filling (via the AEX pond).
- Passive closure period: estimates include fugitive seepage from the TMF and MWP, VMF pond water and fugitive seepage, along with key inflows to the WTP including contact water from the TMF pond, MWP, and AEX catchment. The overall influent to the WTP (AEX pond) is provided along with the pit lake water quality at the passive closure water level of 343 metres above sea level (masl).
- Post-closure: estimates include long-term steady state water quality conditions for fugitive seepage from the TMF, Viggo pit lake water and fugitive seepage, and contact water from the closure covers and other rehabilitated areas including the former AEX catchment and MWP catchment. LP Central pit lake water quality is presented for two milestones including when the pit lake initially reaches its long-term elevation (348 masl) and long-term steady state conditions.

Pit lake modelling for the LP Central pit to predict quality of surface water from the pit lake overflowing to Dixie Creek in post-closure was also incorporated into this receiving water quality model. Simulations were conducted using GoldSim, applying a mass balance framework, and supplemented with geochemical modelling in PHREEQC (WSP 2025b). With accelerated filling of the LP Central pit with water, the pit lake reaches a water level of 343 masl after approximately four years (WSP 2025a). This operating water level is maintained during passive closure to provide storage capacity to manage design events and is 5 m below the long-term closure water level for the pit lake. The long-term maximum water level in post-closure is 348 masl, such that excess water is passively discharged to Dixie Creek during post-closure.

3.4.3 WATER TREATMENT AND DISCHARGE

The Project incorporate strategies for managing water to provide environmental protection and maintain regulatory compliance. Measures to be implemented related to water treatment and discharge include the following:

- Onsite contact water ponds will serve as the primary mechanism for TSS removal, functioning as settling ponds that allow particulates to settle out of the water column before further treatment or discharge.
- The WTP will be a centralized facility located close to the process plant and infrastructure area. The WTP will be designed to produce water that is suitable for re-use or discharge to the environment in accordance with applicable regulatory requirements, including the MDMER and the anticipated effluent concentrations required by the MECP to protect the receiving water and aquatic resources.

Best available technologies that are economically achievable are being considered for the WTP to meet the protection requirements of local Indigenous Nations. The primary WTP design is expected to include the following sequential treatment steps:

  - Collection and preliminary treatment (neutralization and softening) through chemical and reagent addition, and aeration in reaction mixing tank(s) to facilitate metals removal from the contact water
  - Flocculant addition to bind solids into larger, heavier flocs to settle out and create a precipitate sludge and produce a clarified solution
  - Filtration to remove additional solids.

- Excess contact water from the TMF will undergo enhanced treatment using membrane filtration technology to reduce sulphate concentrations in treated effluent discharged to the Chukuni River. Membrane filtration uses a semi-permeable membrane to separate components of a liquid based on their size and properties. The contact water to be treated is passed through the membrane by differential pressure to produce clear water and a reject solution. This treatment chain, with the membrane filtration step, has been designed to remove 95 to 98% of incoming sulphate concentrations (Appendix C). Excess treated water will be discharged to the Chukuni River in accordance with applicable regulatory requirements.
- Tailings thickener underflow will be pumped to two parallel, cyanide destruction tanks for additional retention and treatment. Cyanide destruction is expected to use the SO2/air process with sodium metabisulphite used as the source of SO2. The target concentration of total cyanide in the tailings after the cyanide destruction circuit in the process plant will be compliant with the International Cyanide Management Code (ICMI 2021) which sets a limit that is protective of wildlife and birds. The residual cyanide concentrations will naturally degrade when exposed to sunlight within the TMF and east VMF. This reduces cyanide concentrations in the contact water, fugitive groundwater seepage from the TMF, and in treated effluent discharged to the Chukuni River.
- Following cyanide destruction, the majority of detoxified tailings will be pumped to a desulphurization flotation circuit to generate a larger volume of desulphurized tailings that are NPAG for placement in the TMF, and a lower volume of sulphide-containing concentrate tailings for management in the east VMF. This reduces sulphur, sulphate, and metal concentrations in the TMF contact water, fugitive groundwater seepage from the TMF, and in treated effluent discharged to the Chukuni River.
- Treated effluent will be discharged in the Chukuni River, at a location where sufficient flow exists to minimize the potential for erosion and promote rapid mixing.

In this receiving water quality model, treated effluent quality was modelled by applying the anticipated treatment efficiencies from Hatch (Appendix C), expressed as percentage mass removal, from the water treatment design described above, in combination with influent quality predictions derived from the mine site water quality model (WSP 2025b). These treatment efficiencies were incorporated into the receiving water quality model to simulate monthly effluent discharge quality to the Chukuni River. Corresponding model results are presented in Section 4.

Influent chemistry to the WTP reflects mine contact water collected via the AEX mine water pond, receiving inputs from the VMF, MWP, and underground dewatering sources. The influent to the membrane filtration system is equivalent to TMF water quality, with contingency provisions for excess water from the VMF, as appropriate (Figure 3-4).

The Chukuni River is the proposed receiving environment for the Project and will receive treated effluent discharge during construction, operations and active closure phases, as required. Discharge will occur immediately upstream of node CHK-1 (Figure 3-2). Water treatment engineering for this stage of the Project was completed by Hatch Engineering (2025a,b) and is presented in this section. A schematic of the proposed water treatment processes is provided in Figure 3-3

Final effluent quality will meet environmental discharge standards in accordance with applicable regulatory requirements, including the federal MDMER and provincial effluent limits established by the MECP to protect receiving waters and aquatic ecosystems. Water treatment engineering will be further

developed and refined during the provincial approvals process, consistent with Ontario's regulatory framework for proposed mining projects.

Hydrodynamic mixing analyses were also completed to estimate the maximum extent of the discharge plume within the Chukuni River; this is further discussed in Section 4.2.1.

3.4.4 FUGITIVE GROUNDWATER SEEPAGE

The Project may influence local groundwater quality because of fugitive groundwater seepage from Project facilities. Changes to local groundwater quality could affect the quality of groundwater discharging to surface water features.

A hydrogeological model was developed for all Project phases, including existing conditions, and used to estimate the effects of the Project on local groundwater and / or surface water conditions (WSP 2025f). A seepage collection system will be in place for the Project. Thus, seepage to the environment considered in this model is described as fugitive groundwater seepage. The greatest seepage source to the model nodes is the TMF, which is estimated to contribute approximately 507.5 cubic metres per day of seepage to node UN-1 during post-closure (the seepage from the TMF at post-closure replaces the natural groundwater flow to UN-1, indicating a loss in fresh groundwater at this node). Seepage contributions to each node, during each Project phase, are provided in the Hydrogeological Modelling Report (WSP 2025f).

It has been assumed to be conservative, that the predicted quality of fugitive groundwater seepage from Project components is representative of the groundwater contributing to surface water features (i.e., is not diluted by or mixed with baseline groundwater). As per the receiving environment water balance model (WSP 2025d), for conservative modeling purposes, when the groundwater losses are predicted to be greater than the surface inflows (prior to the addition of seepage) at a given node, the seepage flow will be routed to the next downstream node. This is to maintain mass balance and seepage loading within the model. This only occurs at the small watersheds with groundwater losses (UN-1 and UN-2) during the low flow months.

3.4.5 DUST DEPOSITION

Suspended particulate matter, primarily composed of fugitive dust, is generated through various activities at mine sites, such as crushing, screening, road traffic, and material handling. WSP has conducted quantitative predictive air quality and dispersion modelling using AERMOD (version 22112), the United States Environmental Protection Agency's regulatory air dispersion model currently adopted in Ontario (WSP 2025e), Air quality model result outputs were incorporated into this water quality model to conservatively account for potential loadings from dust deposition during construction and operations. The generation of dust will be minimal and localized during active closure activities and return to baseline conditions post-closure (WSP 2025e). Additional details regarding air quality model data inputs, assumptions, and results are provided in WSP 2025e.

Dust input was included in the model as the amount of dust falling on a waterbody or watercourse upstream of the modelling node, within the air quality regional study area (WSP 2025e). Dust deposition model results for representative points for major waterbodies and watercourses around the Project were used to determine the dust input. For larger waterbodies and watercourses, where dust deposition rates vary with distance from the Project, a series of points were averaged and one value was assigned to the waterbody, or in the case of Dixie Creek, all points between each receiver water quality node were averaged to capture different Project activities. For example, dust input to DIX-4 was added to the length of Dixie Creek from DIX-3 to DIX-4. For smaller waterbodies and watercourses, such as Unnamed Waterbody 2, the closest modelled point was selected, with preference given to points closer to the Project.

Metal loading rates from dust deposition were estimated by multiplying the measured dust deposition rate at each point (in grams per square metre) by the total surface area of the upstream waterbody or watercourse for each node. This calculation provided an estimate of the total dust deposited on surface

water upstream of each receiver node. These values were then combined with whole-rock metal geochemical test results for mine rock to determine the associated metal loadings. For the mass balance, it was assumed that 80% of the metal content in whole-rock contributes to surface water quality via deposited dust. This assumption is highly conservative. Air quality modelling indicates that fugitive dust emissions are primarily generated by haul roads and vehicle traffic rather than rock piles. Similarly, metals associated with dust were estimated using whole-rock results, even though metals in whole-rock are partly bound within the crystalline structure of the parent material. Complete release of these bound metals under local surface water conditions is unlikely as metals remain would not readily solubilized or picked up in a surface water total metals scan. Additionally, a fraction of dust particles will settle in the water column, while some remain suspended. Consequently, the assumption that 80% of the metal content will contribute to loading is considered highly conservative. GoldSim model inputs for chemical species loadings from dust per node for construction and operations are provided in Appendix B.

3.5 MODEL CASES

To characterize the effects of the Project on receiver water quality, a base case scenario (i.e., a conservative expected case) was defined with respect to predicted Project loadings, treated effluent discharge rates, and changes in surface-groundwater interactions. Conceptually, the base case represents the most likely set of conditions based on current Project design, operational assumptions, and environmental conditions. Key inputs and assumptions defining the Base Case include:

- Initial baseline concentration: the water quality model assumes a median (or average, see Section 3.4.1) baseline concentration for water quality parameters to represent initial conditions.
- Conservative predicted geochemical loadings: the mine site water quality model uses the expected metal release rates for mine rock and tailings based on currently available kinetic testing results and geochemical information for the Project (WSP 2025b).
- Water balance model results for average conditions: the construction, operations and closure phases were modelled under average annual climatic conditions. Monthly snowfall distribution (percent of precipitation that falls as snow), and runoff coefficients were based on Climate Normals and calibrated to observed runoff at a representative nearby streamflow gauge (WSP 2024d).
- Expected groundwater changes: the interaction between groundwater and surface water was assessed in the model by analyzing water budgets at surface water features determined through hydrogeological modelling (WSP 2024e). These modelled water budget changes provide a measure of potential changes in groundwater contribution (or losses) to surface water or baseflow of the receiving environment and the associated water balance.
- Expected seepage rates: seepage rates from Project components to receiving waters were modelled for operations and closure; seepages from Project components are not expected in construction (i.e., advance of mine operation and tailings production).

In addition to the base case, sensitivity analyses were completed to support the receiver water quality assessment. The sensitivity analysis is a key component of water quality modelling and an industry-standard practice used to evaluate the robustness of model predictions. By systematically varying key input parameters, the analyses identify which variables most influence model outcomes, confirm that the model responds appropriately to changes in system conditions, and confirm that mitigation and management measures have been appropriately defined.

Sensitivity analyses also help characterize and define the range of plausible future scenarios, including extreme hydrologic conditions (e.g., wet and dry years), potential climate change influences, and variations in baseline water quality assumptions. Evaluating these scenarios provides a more complete understanding of the potential range of water quality outcomes, supports assessment of the resilience of proposed water management strategies, and enhances confidence in the predictive reliability of the model. Sensitivity analyses completed include:

- Extreme dry case, to evaluate changes to water quality under drought conditions by evaluating water quality changes under 1:100 dry year climate / flow conditions. All other data inputs and assumptions are the same as the base case.
- Extreme wet case, to evaluate changes to water quality under heavy rainfall conditions by evaluating water quality changes under 1:100 wet year climate / flow conditions. All other data inputs and assumptions are the same as the base case.
- Climate change case, to evaluate changes to water quality under potential climate change conditions. This includes average climate conditions for construction and operations and conditions with the influence of climate change for closure and post-closure. All other data inputs and assumptions are the same as the base case.
- Upper baseline case, to evaluate changes to water quality assuming a consistently reduced assimilation capacity of the receiving water environment, for all modelled parameters. All other data inputs and assumptions are the same as the base case.

3.6 MASS BALANCE CALCULATION

This receiver water quality model was developed using a mass-balance in GoldSim to simulate the volume and flow of water, and the concentrations and transport of chemical species, over the life of the Project. The model accounts for flows and chemical loadings entering and leaving Project components, such as the WTP, as well as chemical loadings entering the surface water receiving environment.

The generalized mass balance equations applied in the model are:

$$C_{A+B\,i} = \frac{(C_{A\,i} \times Q_A + C_{B\,i} \times Q_B)}{(Q_A + Q_B)} \qquad \text{[Equation 1]}$$

Where:

C_{Ai} and C_{Bi} are the concentrations of chemical species *i* in waters A and B, respectively.

Q_A and Q_B are the flow rates or volumes of water in waters A and B, respectively.

$C_{A+B\,i}$ is the concentration of chemical species i in the mixed body of waters A and B.

$$\sum (\text{Mass Loading In})_i - \sum(\text{Mass Loading out})_i = \Delta C_i \times V \qquad \text{[Equation 2]}$$

ΔC_i is the change in concentration of chemical species *i* in a body of water; V is the volume of the body of water.

$\sum(\text{Mass Loading In})_i$ and $\sum(\text{Mass Loading out})_i$ are the sum of masses of chemical species *i* added to, and removed from, the body of water, respectively.

A summarized example mass balance calculation used in the model for sulphate at node CHK-2 during operations is presented below. An example calculation for the entire discharge flow path, is presented in Appendix D.

Using the mass balance equations above and the input values in Table 3-6 for sulphate at CHK-2 in January, the final mixed chemistry is mass-balanced as follows:

$$\text{Mixed Chemistry at CHK-2} = \frac{\text{Total Load in CHK-2}}{\text{Total Flow at CHK-2}}$$

$$= \frac{\text{Upstream CHK-1 Load + Upstream DIX-5 Load + Dust Load to CHK-2 + Freshwater Load to CHK-2}}{\text{Upstream Flow from CHK-1 + Upstream Flow from DIX-5 + Freshwater Flow at CHK-2}}$$

$$= \frac{\text{(CHK-1 Flow x CHK-1 Chem) + (DIX-5 Flow x DIX-5 Chem) + CHK-2 Dust Load + (CHK-2 Flow x CHK-2 Chem)}}{\text{Upstream Flow from CHK-1 + Upstream Flow from DIX-5 + Freshwater Flow at CHK-2}}$$

$$= \frac{(17{,}583\ \text{L/s} \times 6.62\text{mg/L}) + (1{,}216\ \text{L/s} \times 2.4\ \text{mg/L}) + 0.05\ \text{mg/s} + (42\ \text{L/s} \times 4.2\ \text{mg/L})}{17{,}583\ \text{L/s} + 1{,}216\ \text{L/s} + 42\ \text{L/s}}$$

$$= 6.3\ \text{mg/L}$$

A comparison of mass balance Excel calculations compared to GoldSim modelled results are presented in Table 3-7.

Table 3-1: Receiver Water Quality Model Nodes

Waterbody	Node ID	Summary Description
Chukuni River	CHK-1	Chukuni River, Project effluent discharge location. Corresponds to surface water quality station CR-FDP.
	CHK-2	Downstream of Project effluent discharge location and confluence with Dixie Creek. Corresponds to surface water quality station CR-DS.
Dixie Creek	DIX-1	Outlet of Dixie Lake to Dixie Creek. Corresponds to surface water quality station DC-US.
	DIX-2	Dixie Creek after confluence with Unnamed Watercourse 1. Corresponds to surface water quality station SW-03.
	DIX-3	Dixie Creek, south of the LP Central pit. Corresponds to surface water quality station SW-08.
	DIX-4	Dixie Creek after confluence with Unnamed Watercourse 7.
	DIX-5	Dixie Creek after confluence with Unnamed Watercourse 6. Corresponds to surface water quality station SW-15.
Genessee Lake	GEN-1	Outlet of Genessee Lake to Unnamed Watercourse 11.
	GEN-L	Genessee Lake. Corresponds to surface water quality station SW-GL.
Pakwash Lake	PAK-IN	Inlet to Pakwash Lake from the Chukuni River. Corresponds to surface water quality station PL-01.
	PAK-IN-2	Upstream node on Pakwash Lake that is not directly influenced by Project activities. Represents flows and water quality from the Trout Lake watershed into Pakwash Lake and corresponds to surface water quality station PL-02
	PAK-L	Pakwash Lake. Corresponds to surface water quality station PL-03.
	PAK-OUT	Outlet of Pakwash Lake. Corresponds to surface water quality station PL-05
Small unnamed waterbodies and watercourses	UN-1	Unnamed Watercourse 1. Outlet of Unnamed Waterbodies 1 and 2 to Dixie Creek. Corresponds to surface water quality station SW-01.
	UN-2	Inlet to Unnamed Waterbody 6 from various unnamed watercourses. Corresponds to surface water quality station SW-12b.
	UN-3	Outlet of Unnamed Waterbody 6 to Unnamed Watercourse 6.
	UN-L6	Unnamed Waterbody 6. Corresponds to surface water quality station SW-14.
	UN-4	Unnamed Watercourse 8. Corresponds to surface water quality station SW-GL-02.
	UN-5	Unnamed Watercourse 11. Corresponds to surface water quality station GL-TRIB.
	UN-6	Unnamed Watercourse 10. Corresponds to surface water quality station SW-18.

Table 3-2: Modelled Water Quality Parameters

Total Metals		
Aluminum	Antimony	Arsenic
Beryllium	Boron	Cadmium
Chromium	Cobalt	Copper
Iron	Lead	Mercury
Molybdenum	Nickel	Selenium
Silver	Thallium	Tungsten
Uranium	Vanadium	Zinc
Zirconium		
Nutrients and Anions		
Sulphate	Phosphorus	Nitrate-N
Nitrite-N	Ammonia-N	Un-ionized ammonia-N
Weak acid dissociable (WAD) cyanide	Chloride	
Major Cations		
Calcium	Magnesium	Manganese
Potassium		

Table 3-3: Water Quality Guidelines for the Protection of Aquatic Life

Parameter	Unit	Protection of Aquatic Life Guidelines [1, 2, 3, 4,5]	
		Value	Source
pH	s.u.	6.5 – 8.5	PWQO
Sulphate [6]	mg/L	Calculated (Table 3-4)	BC WQG
Ammonia (as N)	mg/L	Calculated (Table 3-4)	CCME
Ammonia, Un-ionized (as N)	mg/L	0.019	CCME
Chloride	mg/L	120	CCME
Nitrate (as N)	mg/L	3	CCME
Nitrite (as N)	mg/L	0.06	CCME
Cyanide, WAD	mg/L	0.005	PWQO
Aluminum	mg/L	Calculated (Table 3-4)	FEQG
Antimony	mg/L	0.02	iPWQO
Arsenic [7]	mg/L	0.005	iPWQO
Boron	mg/L	1.5	CCME
Beryllium	mg/L	Calculated (Table 3-4)	PWQO
Cadmium	mg/L	Calculated (Table 3-4)	CCME
Chromium [8]	mg/L	0.0089	iPWQO
Cobalt	mg/L	0.0009	iPWQO
Copper	mg/L	0.005	iPWQO
Iron	mg/L	Calculated (Table 3-4)	FEQG
Lead	mg/L	Calculated (Table 3-4)	FEQG
Mercury	mg/L	0.000026	CCME
Methylmercury	ng/L	4	CCME
Molybdenum	mg/L	31	SEQG
Nickel	mg/L	Calculated (Table 3-4)	CCME
Phosphorus	mg/L	0.03 (rivers); 0.02 (lakes)	iPWQO
Selenium [9]	mg/L	0.002	BC WQG
Silver	mg/L	0.00025	CCME
Thallium	mg/L	0.008	CCME
Uranium	mg/L	0.015	CCME
Vanadium	mg/L	0.12	FEQG
Tungsten	mg/L	0.03	iPWQO
Zinc	mg/L	Calculated (Table 3-4)	CCME

Notes:

1 *Ontario Provincial Water Quality Objectives (PWQO) and interim PWQO (iPWQO).*
2 *Canadian Council of Ministers of the Environment (CCME) water quality guidelines for the protection of aquatic life (long-term exposure).*
3 *Federal Environmental Quality Guidelines (FEQG); these are issued to support federal environmental quality monitoring and risk assessment for parameters for which CCME guidelines do not yet exist or are not reasonably expected to be updated in the near future.*
4 *British Columbia long-term exposure guidelines, freshwater (BC WQG).*
5 *Saskatchewan Environmental Quality Guidelines (SEQG).*
6 *BC WQG are accessed here in the absence of available suitable Ontario or Federal guidelines (sulphate).*
7 *Existing arsenic concentrations in the Chukuni River (the receiving environment) are greater than available water quality guidelines; the most appropriate environmental benchmark is the baseline condition (75th percentile arsenic = 0.0096 mg/L).*
8 *There is no guideline for concentrations of total chromium; it is most common to adopt the PWQO and CCME guidelines for hexavalent (0.001 mg/L) or trivalent (0.0089 mg/L) chromium, dependent on-site conditions and in consultation with regulators.*
9 *BC WQG are accessed here as the CCME guideline is an alert concentration and only applicable to sensitive lacustrine environments (selenium).*

Table 3-4: Modelling Node Specific Water Quality Guidelines

Parameter	Water Quality Guidelines [1, 2, 3]																		
	Source [4]	CHK_1	CHK_2	DIX_1	DIX_2	DIX_3	DIX_4	DIX_5	GEN_1	GEN_L	PAK_IN	PAK_L	PAK_OUT	UN_1	UN_2	UN_3	UN_L6	UN_4	UN_5	UN_6
Sulphate	BC WQG [5]	218	218	218	218	218	218	218	218	218	218	218	218	218	218	128	218	218	218	218
Aluminum	FEQG	0.98	0.86	0.98	0.8	0.82	0.82	0.73	1.1	1.1	1.1	1.3	1.3	1.4	0.8	0.26	0.9	0.9	0.56	1.0
Ammonia (as N)	CCME	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Beryllium	PWQO	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Cadmium	CCME	0.000067	0.000069	0.000065	0.000078	0.000072	0.000072	0.000083	0.000061	0.000061	0.000074	0.000078	0.000074	0.000073	0.000078	0.000057	0.000073	0.000073	0.00007	0.00007
Iron	FEQG	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.79	0.8	0.71	0.8	0.8	0.79	0.8
Lead	FEQG	0.012	0.012	0.014	0.015	0.016	0.016	0.017	0.011	0.011	0.013	0.014	0.013	0.013	0.015	0.019	0.016	0.016	0.015	0.016
Nickel	CCME	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Zinc	CCME	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Notes:

All units mg/L.

1 Ontario Provincial Water Quality Objectives (PWQO) and interim PWQO (iPWQO).

2 Canadian Council of Ministers of the Environment (CCME) water quality guidelines for the protection of aquatic life (long-term exposure).

3 Federal Environmental Quality Guidelines (FEQG); these are issued to support federal environmental quality monitoring and risk assessment for parameters for which CCME guidelines do not yet exist or are not reasonably expected to be updated in the near future.

4 Conservative co-factors, generally corresponded to baseline 25th hardness, pH, dissolved organic carbon as follows:

- *Aluminium FEQG guideline is pH, hardness and dissolved organic carbon dependent.*
- *Ammonia (as N) CCME guideline is pH and temperature dependent.*
- *Beryllium PWQO is hardness dependent.*
- *Cadmium CCME guideline is hardness dependent.*
- *Iron FEQG guideline is pH and dissolved organic carbon dependent.*
- *Lead FEQG guideline is hardness and dissolved organic carbon dependent.*
- *Nickel CCME guideline is hardness dependent.*
- *Zinc CCME guideline is pH, hardness and dissolved organic carbon dependent.*

5 BC WQG: British Columbia long-term exposure guidelines (freshwater) are accessed here in the absence of available suitable Ontario or Federal guidelines (sulphate).

Table 3-5: Project Contributions to the Receiving Environment (Discharge and Seepage) by Node

Waterbody	Model Node	Description	Upstream	Downstream	Construction		Operations		Closure		Post-closure	
					Discharge	Seepage	Discharge	Seepage	Discharge	Seepage	Discharge[1]	Seepage
Chukuni River	CHK-1[2]	Chukuni River, Project treated effluent discharge location. Corresponds to surface water quality station CR-FDP.	UN-4, UN-6	CHK-2	STP, WTP	-	STP, WTP	-	STP, WTP	-	-	-
	CHK-2	Downstream of Project effluent discharge location and confluence with Dixie Creek. Corresponds to surface water quality station CR-DS.	CHK-1	PAK-IN	-	-	-	-	-	-	-	-
Dixie Creek	DIX-1	Outlet of Dixie Lake to Dixie Creek. Corresponds to surface water quality station DC-US.	UN-5	DIX-2	-	-	-	TMF	-	TMF	-	TMF
	DIX-2[2]	Dixie Creek after confluence with Unnamed Watercourse 1. Corresponds to surface water quality station SW-03.	UN-1, DIX-1	DIX-3	-	-	-	-	-	-	AEX catchment	-
	DIX-3	Dixie Creek, south of the LP Central pit. Corresponds to surface water quality station SW-08.	DIX-2	DIX-4	-	-	-	-	-	-	LP Central pit	-
	DIX-4	Dixie Creek after confluence with Unnamed Watercourse 7.	DIX-3	DIX-5	-	-	-	-	-	VMF	-	VMF
	DIX-5	Dixie Creek after confluence with Unnamed Watercourse 6. Corresponds to surface water quality station SW-15.	DIX-4, UN-3	CHK-2	-	-	-	-	-	-	-	-
Genessee Lake	GEN-1	Outlet of Genessee Lake to Unnamed Watercourse 11.	GEN-L	UN-5	-	-	-	-	-	-	-	-
	GEN-L	Genessee Lake. Corresponds to surface water quality station SW-GL.	-	GEN-1	-	-	-	-	-	-	-	-
Pakwash Lake	PAK-IN	Inlet to Pakwash Lake from the Chukuni River. Corresponds to surface water quality station PL-01.	CHK-2	PAK-L	-	-	-	-	-	-	-	-
	PAK-IN-2	Upstream node on Pakwash Lake that is not directly influenced by Project activities. Represents flows and water quality from the Trout Lake watershed into Pakwash Lake and corresponds to surface water quality station PL-02.	-	PAK-L	-	-	-	-	-	-	-	-
	PAK-L	Pakwash Lake. Corresponds to surface water quality station PL-03.	PAK-IN	PAK-OUT	-	-	-	-	-	-	-	-
	PAK-OUT	Outlet of Pakwash Lake. Corresponds to surface water quality station PL-05	PAK-L	-	-	-	-	-	-	-	-	-
Small unnamed waterbodies and watercourses	UN-1	Unnamed Watercourse 1. Outlet of Unnamed Waterbodies 1 and 2 to Dixie Creek. Corresponds to surface water quality station SW-01.	-	DIX-2	-	-	-	MWP, TMF, TMF pond	-	MWP, TMF, TMF pond	MWP catchment	TMF
	UN-2	Inlet to Unnamed Waterbody 6 from various unnamed watercourses. Corresponds to surface water quality station SW-12b.	-	UN-L6	-	-	-	-	-	VMF	VMF catchment, OVB catchment	VMF
	UN-3	Outlet of Unnamed Waterbody 6 to Unnamed Watercourse 6.	UN-L6	DIX-5	-	-	-	-	-	VMF	-	VMF
	UN-L6[2]	Unnamed Waterbody 6. Corresponds to surface water quality station SW-14.	UN-2	UN-3	-	-	-	-	-	VMF	-	VMF
	UN-4	Unnamed Watercourse 8. Corresponds to surface water quality station SW-GL-02.	-	CHK-1	-	-	-	TMF	-	TMF	TMF pump stations 2 and 3[3]	TMF
	UN-5	Unnamed Watercourse 11. Corresponds to surface water quality station GL-TRIB.	GEN-1	DIX-1	-	-	-	TMF	-	TMF	-	TMF
	UN-6	Unnamed Watercourse 10. Corresponds to surface water quality station SW-18.	-	CHK-1	-	-	-	-	-	-	-	-

Notes:

- No discharge or seepage to, or water taking from source.

OVB: Overburden stockpile

1 Passive discharge during post closure.

2 Receives bypass seepage from upstream node during winter.

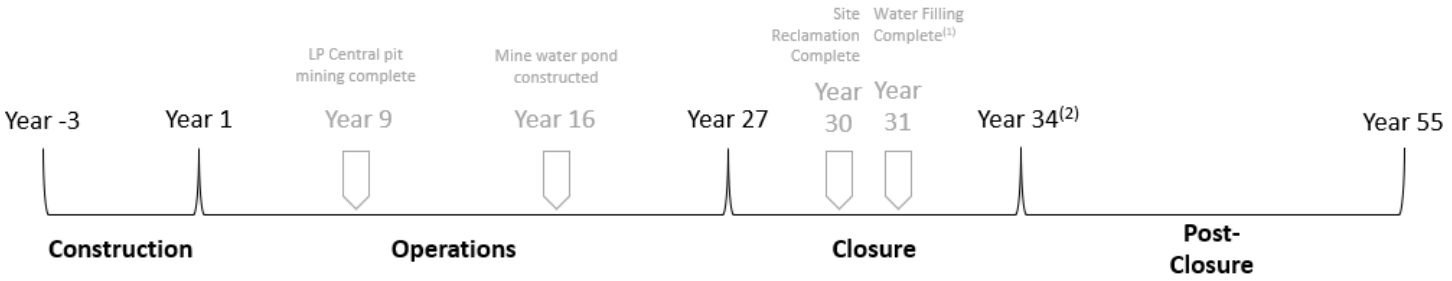
3 Decommissioned TMF seepage collection pump stations 2 and 3.

Table 3-6: Mass Balance Example Calculation Inputs

Month	Upstream Input from CHK-1		Upstream Input from DIX-5		Dust Loading	Freshwater Runoff to CHK-2	
	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)
January	17,583	6.6	1,216	2.2	0.05	42	4.2
February	14,828	6.9	1,055	2.3	0.05	36	4.7
March	14,481	6.9	947	2.3	0.05	35	4.7
April	22,966	8.1	1,577	2.0	0.04	55	4.7
May	51,704	6.3	3,867	1.6	0.04	124	4.9
June	55,092	6.2	4,433	1.2	0.05	132	4.9
July	45,711	5.2	3,567	1.2	0.05	110	5.2
August	33,067	7.1	2,399	1.5	0.04	79	5.2
September	32,671	7.0	1,886	1.4	0.05	78	5.1
October	30,501	6.8	1,736	1.6	0.06	73	5.3
November	27,395	6.4	1,578	1.4	0.06	66	4.2
December	21,722	6.5	1,365	1.9	0.05	52	4.2

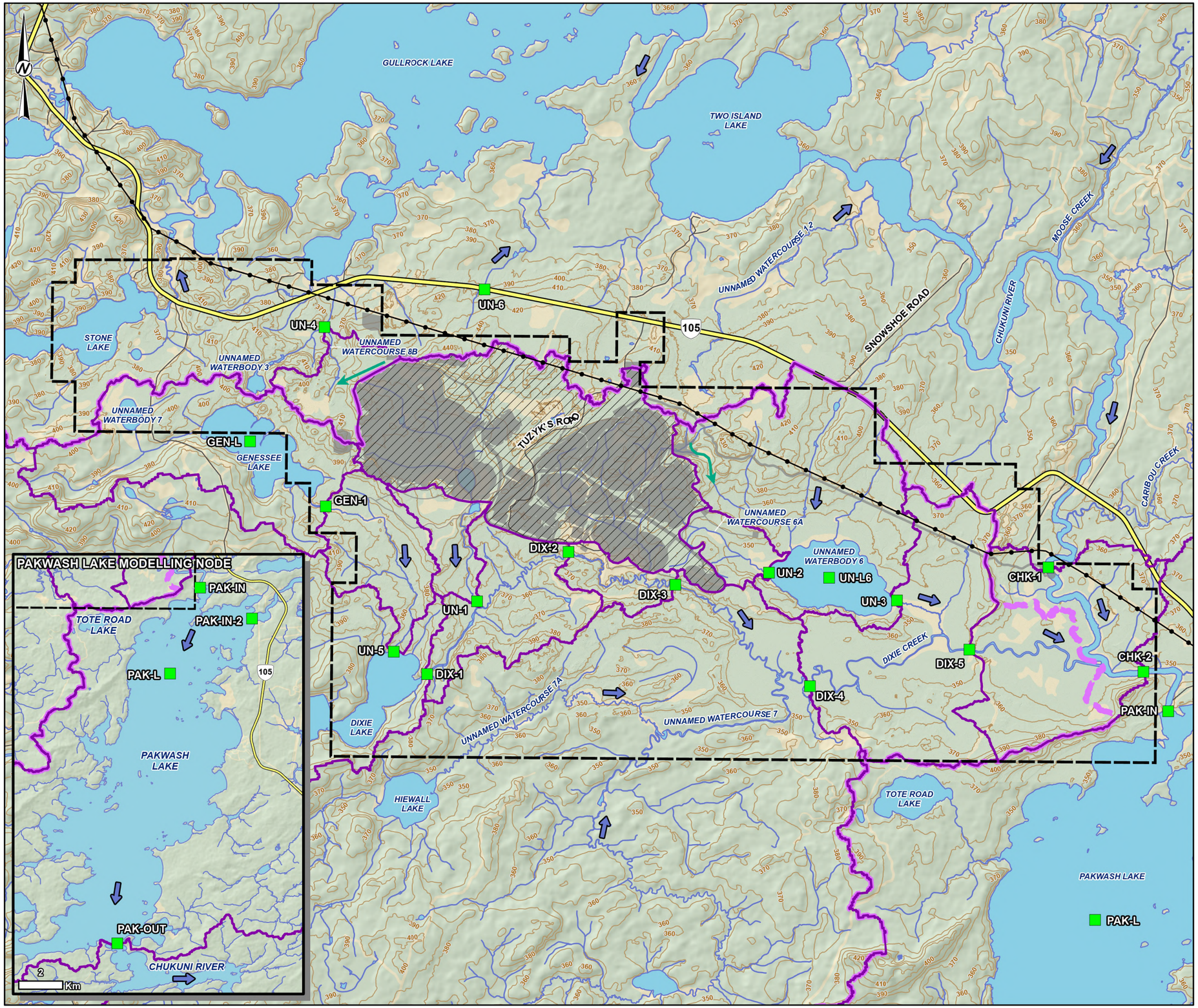
Table 3-7: Mass Balance Example Calculation Results

Month	Mass Balance Excel Calculations		GoldSim Modelled Results	
	Total Flow (L/s)	Sulphate (mg/L)	Total Flow (L/s)	Sulphate (mg/L)
January	18,841	6.3	18,840	6.3
February	15,919	6.6	15,920	6.5
March	15,462	6.6	15,460	6.6
April	24,598	7.7	24,600	7.4
May	55,695	6.0	55,700	6.1
June	59,657	5.8	59,660	5.8
July	49,388	5.0	49,390	4.9
August	35,545	6.7	35,540	6.7
September	34,635	6.7	34,640	6.7
October	32,309	6.5	32,310	6.5
November	29,038	6.1	29,040	6.2
December	23,139	6.2	23,140	6.2



Notes:
Years indicated on the timeline represent the first day of the year, therefore the operations phase extends Years 1 to 26.
1 Filling of the VMF, LP Central pit and underground mine with site contact water and freshwater from the Chukuni River is expected to take approximately four years under average climate conditions, with the closure water management strategy described in Section 2.2.3.
2 Post-closure will begin once site contact water no longer requires water treatment. For the purposes of this model, it is assumed to commence three calendar years (January to December) after water filling has completed. For example, if the LP Central pit is anticipated to fill in August Year 30, post closure will begin Year 34.

Figure 3-1: Project Timeline and Water Quality Model Phases



LEGEND

- PROPERTY BOUNDARY
- GREAT BEAR PROJECT FOOTPRINT
- CLEAN WATER DIVERSION
- SURFACE WATER QUALITY MODELLING NODE
- DIXIE CREEK WATERSHED (NOT USED FOR NODE AREAS)
- MODELLING NODE WATERSHED
- PROJECT WATERSHED
- HIGHWAY
- LOCAL ROAD
- EXISTING TRANSMISSION LINE
- CONTOURS (10 M INTERVAL)
- WATERCOURSE
- WATERBODY
- FLOW DIRECTION

0 1 2 4

1:72,000 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. WATERCOURSES AND WATERBODY ACQUIRED FROM LAND INFORMATION ONTARIO (MNRF) AND MODIFIED TO MATCH AERIAL IMAGERY AND LIDAR.
3. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
4. PROPERTY BOUNDARY PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2024.
5. CONTOURS ACQUIRED FROM LAND INFORMATION ONTARIO (MNRF), 2022AND DERIVED FROM 2022 LIDAR PROVIDED BY GREAT BEAR RESOURCES.
6. SITE PLAN BASED ON INFORMATION PROVIDED BY GREAT BEAR RESOURCES, DECEMBER 2024 / JUNE 2025.
7. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
OPERATIONS / CLOSURE SURFACE WATER QUALITY MODELLING NODES

CONSULTANT

wsp

YYYY-MM-DD	2025-11-17
DESIGNED	----
PREPARED	MD
REVIEWED	----
APPROVED	----

PROJECT NO.	CONTROL	REV.	FIGURE
CA0031271	0001	A	3-2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

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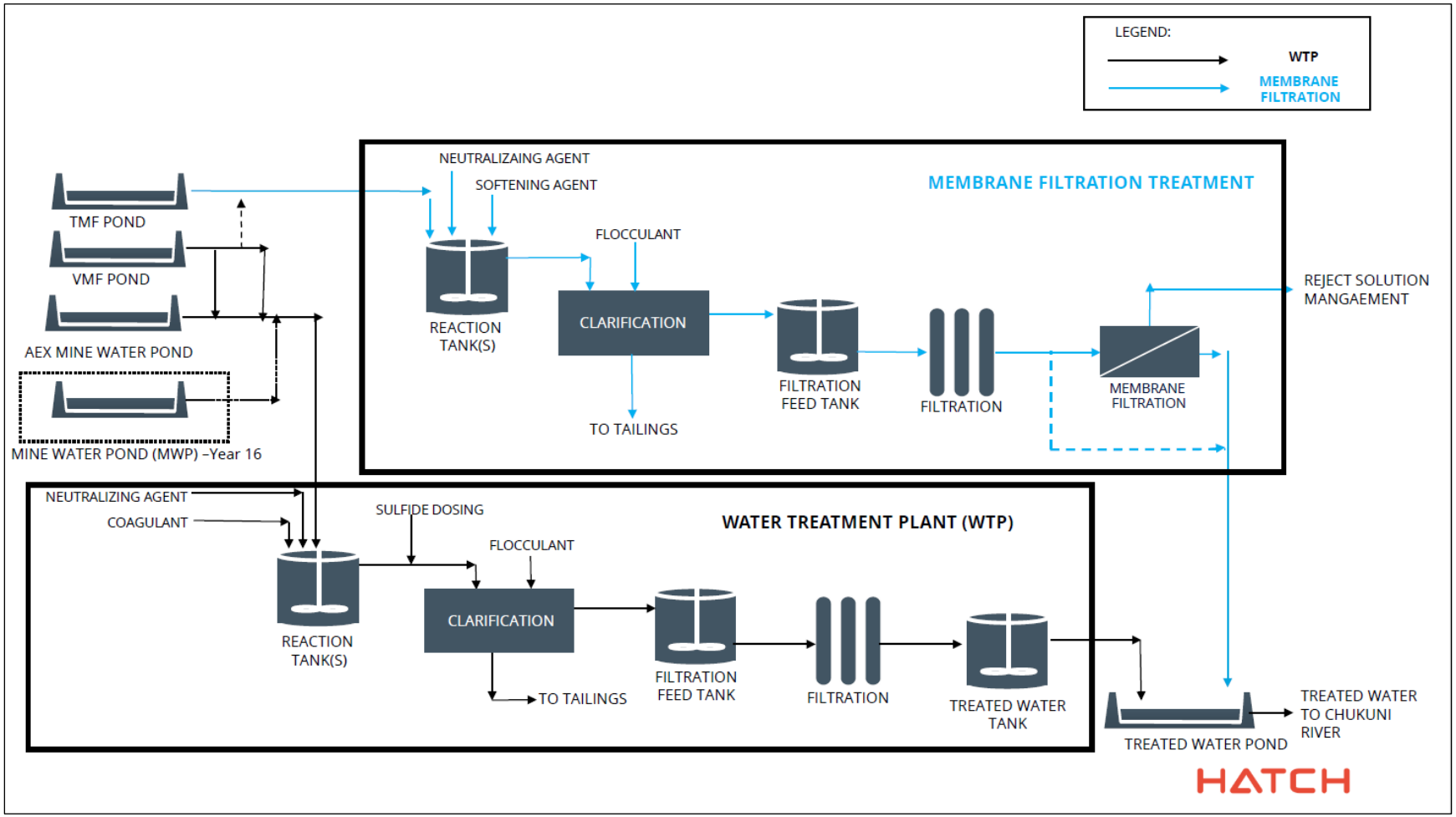


Figure 3-3: Water Treatment, Block Flow Diagram

4 RESULTS, TREATED EFFLUENT DISCHARGE

The Chukuni River is the proposed receiving environment for the Project and will receive treated effluent discharge during the construction, operations, and active closure phases, as required.

The following technical studies were undertaken to estimate treated effluent discharge requirements and treated effluent quality (Section 3):

- Estimated required discharge volumes and rates to the Chukuni River (Table 4-1)
- Hydrodynamic mixing analyses to estimate the maximum extent of the discharge plume within the Chukuni River (Table 4-2)
- Predicted treated effluent quality, based on currently available water treatment engineering Table 4-3, Table 4-4).

The corresponding results of these studies are presented in the following sections.

4.1 REQUIRED DISCHARGE RATES

Mine site water balance modelling results (WSP 2025c) indicate that treated effluent discharge requirements will vary seasonally and throughout the mine life; base case discharge rates predicted by the mine site water balance model are provided in Table 4-1. Key water balance results are:

- Average annual discharge to the environment from the WTP, STP and membrane filtration ranges from 4.64 to 7.22 Mm^3 during the operations phase
- Under average climate conditions (base case), the maximum required discharge rate is approximately 1,300 cubic metres per hour (m^3/h)
- The design discharge rate for peak conditions is 1,330 m^3/h
- The highest required discharge rates are associated with the final years of operations (Years 25 and 26), with the highest discharge occurring in May and June.

As the Chukuni River is a high flow system; treated effluent discharge is predicted to constitute a small fraction of the total flow at CHK-1. For example, the 1,330 m^3/h design discharge rate for peak conditions represents approximately:

- 1.2% of the Chukuni River annual average flow (108,000 m^3/h)
- 2.6% of the Chukuni River minimum monthly flow (March, 51,898 m^3/h).

Sensitivity analyses were also completed to establish a range of potential treated effluent discharge rates to the Chukuni River, including 1:100 wet and 1:100 dry year cases (WSP 2025c).

Results from the 1:100 wet year simulation indicate that discharge requirements increase to 8.80 Mm^3 per year in the operations phase, where an additional 2.53 Mm^3 of surface water is stored onsite following the 1:100 wet year, to be discharged over the next calendar year.

Results from the 1:100 dry year simulation indicate that annual discharge to the environment is reduced to 0.06 Mm^3 in the first year of the operations phase.

A sensitivity analysis was also conducted in accordance with MECP Policy B-1-5, which provides guidance on characterizing the theoretical maximum mixing zone under a worst-case discharge scenario. This scenario assumes that the maximum required discharge rate occurs during the 7Q20 low-flow condition, defined as the lowest seven-day average river flow expected once every 20 years. In this scenario, the 1,330 m^3/h design discharge rate represents approximately 20.5% of the 7Q20 low flow

condition. It is highly unlikely that the peak discharge rate of 1,330 m^3/h, which is intended for wet conditions and contingency planning, would coincide with an extreme drought event.

4.2 EFFLUENT QUALITY

Treated effluent quality was simulated on a monthly timestep using expected treatment efficiencies from the water treatment processes outlined in Section 3.4.3, together with influent quality predictions from the mine site water quality model (WSP 2025e). A summary of the predicted treated effluent discharge quality is presented in Table 4-4, with the complete time series covering all discharge months over the life of mine provided in Appendix C.

The conceptual diffuser design and water treatment process is expected to meet the design criteria for achieving adequate assimilation within the mixing zone such that WQG PAL are achieved by the end of the mixing zone under a range of operational conditions; this was modelled here via hydrodynamic mixing analyses and is detailed in the following section.

4.2.1 CORMIX MODELLING

A hydrodynamic mixing analysis was undertaken to assess the maximum spatial extent of the treated effluent discharge plume within the Chukuni River (i.e., mixing zone size). This evaluation was completed using the Cornell Mixing Zone Expert System (CORMIX), Version 12.0. CORMIX is a United States Environmental Protection Agency-approved mixing zone hydrodynamic model, widely used for the mixing analysis and outfall design of urban and industrial point source discharges into receiving waterbodies. CORMIX predicts mixing behavior and plume geometry based on ambient conditions and discharge characteristics. It incorporates the configuration of the effluent discharge and provides a high resolution of effluent mixing behavior for the near-field region, where source properties dominate the mixing process. Additional details regarding CORMIX model software capabilities are available in Doneker and Jirka (2007).

A series of modelling scenarios were developed to characterize the spatial extent of the mixing zone and to evaluate the influence of key parameters, such as effluent discharge rate, diffuser configuration, and receiving water flow conditions on mixing zone size. The CORMIX model was configured using the following key inputs and assumptions:

- Effluent was assumed to be discharged via a multiport diffuser that extends the width of the river, and the effluent pipeline to the diffuser is located on the west bank of the Chukuni River (Figure 4-1).
- The diffuser consists of three ports, each with a diameter of 20.3 centimetres.
- Ports are oriented in the downstream direction (parallel to current flow), angled 30 degrees above horizontal and positioned 0.5 m above the channel bottom.
- Ports are evenly spaced across the river (approximately 19.1 m) based on the simplified cross section shown in Figure 4-1.
- The modelled discharge rate corresponds to the peak design flow of 1,330 m^3/h, resulting in an effluent discharge velocity of 3.8 m/s with the proposed multiport diffuser.
- Receiving water conditions were modelled under a theoretical worst-case scenario, assuming the peak discharge occurs during a low 7Q20 low flow condition (6,480 m^3/h); this corresponds to MECP Policy B-1-5 (MECP 1994).
- Receiving water conditions were modelled under a conservative expected case scenario, assuming peak discharge occurs during average flow conditions, with Chukuni River flow rate of 108,000 m^3/h.

Table 4-2 summarizes key model inputs and assumptions used for the CORMIX model. CORMIX model results are presented in Table 4-3, Figure 4-2 and Figure 4-3.

For the theoretical worst-case scenario during the 7Q20 low flow condition, CORMIX modelling results indicate the effluent strength decreases from 100% at the discharge point to approximately 2.1% at 300 m

downstream (Table 4-3, Figure 4-2). Furthermore, under the 7Q20 low flow conditions, the model predicts that the effluent plume becomes fully hydrodynamically mixed both vertically and laterally with the ambient water at approximately 350 m downstream of the proposed discharge point. At this location, the plume is distributed across the modelled channel width of 76.5 m (Figure 4-2). It is likely that complete mixing is expected to occur near the downstream distance where CORMIX predicts the effluent dilution to reach the theoretical maximum dilution factor (i.e., less than 10 m downstream). These various estimates arise from the complex hydrodynamic mixing processes simulated by CORMIX, which go beyond the assumptions used in simple flow-based dilution calculations. Key contributing factors include:

- Jet entrainment effects: The discharge jet actively entrains ambient water as it propagates downstream, enhancing local dilution beyond what is predicted by simple flow ratios.
- Momentum and buoyancy-driven mixing: High-velocity or buoyant jet can penetrate and mix more effectively with ambient flows, resulting in greater dilution within the near-field mixing zone.
- Model assumptions: CORMIX operates under idealized conditions, such as steady-state flow and uniform ambient velocity, which differ from the assumptions used in calculating the theoretical dilution factor.
- Local versus complete mixing: The theoretical maximum dilution factor assumes complete and instantaneous mixing across the entire cross-section of the receiving waterbody. In contrast, CORMIX simulates realistic near-field mixing, where localized dilution can greater than the theoretical maximum due to dynamic jet behaviour and entrainment.

Under average river flow conditions, the effluent strength decreases to approximately 2% at approximately 20 m downstream (Figure 4-3). All parameters are less than WQG PAL by this 2% isocline.

Sensitivity analyses were completed in CORMIX relative to the two cases discussed above to assess the influence of key discharge and ambient parameters on the downstream distance required to achieve targeted mixing.

The sensitivity cases focused on variables that, based on WSP's experience, are most likely to affect mixing dynamics and the extent of the mixing zone. These parameters included variation in diffuser configuration (number of ports), effluent discharge velocity (port diameter), channel geometry (including ice-cover), and effluent flow rates.

Key findings from the sensitivity analysis are summarized below:

- Diffuser configuration: Changes to the port diameter (ranging from 15 to 40 centimetres) and the number of ports (six and ten) resulted in minor differences to the predicted dilution under 7Q20 low-flow conditions. However, these variations did not significantly affect the overall mixing performance and do not warrant alterations to the diffuser design.
- Winter ice cover: Increasing the ice thickness to 1 m (representing winter conditions) resulted in enhanced lateral mixing, with the effluent predicted to be fully mixed laterally within 100 m downstream.
- Effluent flow rates: Sensitivity runs using an effluent flow rate of 1000 m^3/h showed a slight increase in predicted dilutions compared with effluent flow rate of 1330 m^3/h under 7Q20 the low-flow condition. However, the differences were not substantial enough to warrant alterations to the diffuser design.

In summary, maximum monthly predicted concentrations and peak design flow rates were used to inform mixing modelling. The modelling results indicate that WQG PAL are achieved at the end of the mixing zone in the Chukuni River, by the 3% isocline. This is approximately 10 m downstream of the discharge point under average flow conditions, and approximately 300 m downstream under 7Q20 low flow conditions (Figure 4-3 and Figure 4-2 respectively).

Table 4-1: Treated Effluent Discharge Rate (Maximum Monthly, Average Climate Conditions)

Mine Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
-3	35	35	35	64	80	76	55	54	59	76	36	35
-2	35	36	36	113	167	168	126	107	111	96	39	38
-1	18	18	18	18	18	18	410	278	190	177	31	13
1	7	7	64	831	1,115	1,002	820	822	832	640	97	88
2	7	7	7	781	1,139	1,032	830	769	838	759	115	176
3	17	14	22	811	1,208	1,063	854	793	845	843	167	104
4	21	101	22	833	1,212	1,216	850	849	850	844	283	133
5	107	120	29	855	1,226	1,220	881	858	858	860	329	203
6	122	161	100	882	1,239	1,226	903	863	867	868	457	214
7	135	230	129	927	1,240	1,240	890	877	877	879	442	227
8	137	148	230	1,011	1,250	1,249	908	886	887	888	349	201
9	151	167	223	1,089	1,257	1,254	926	885	889	889	262	145
10	251	153	231	1,067	1,196	1,250	917	885	889	889	271	177
11	212	154	236	1,087	1,192	1,254	899	882	896	885	274	238
12	147	160	327	964	1,246	1,250	917	885	889	850	203	277
13	156	158	217	1,100	1,194	1,254	926	885	888	880	101	202
14	275	161	145	1,013	1,268	1,257	965	1,010	1,099	897	179	252
15	171	231	163	1,037	1,254	1,257	906	1,010	1,100	936	160	200
16	214	165	265	1,007	1,273	1,264	925	1,027	1,116	969	182	272
17	157	289	164	1,045	1,274	1,256	935	1,027	1,123	970	191	259
18	182	261	161	1,040	1,273	1,264	979	1,009	1,104	921	296	198
19	244	173	255	998	1,273	1,260	974	1,004	1,105	958	272	188
20	249	187	255	987	1,272	1,260	955	1,017	1,103	1,004	274	168
21	267	176	275	948	1,272	1,260	951	1,015	1,108	1,024	254	201
22	281	103	247	1,070	1,241	1,263	935	1,038	1,122	1,013	210	195
23	180	283	182	1,051	1,187	1,263	1022	1,018	1,100	1,020	244	125
24	235	219	258	1,033	1,195	1,263	987	1,016	1,096	1,032	299	77
25	309	176	226	960	1,291	1,280	1247	1,245	1,254	991	498	245
26	221	110	298	1,002	1,301	1,294	1261	1,258	1,183	937	553	434
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	136	770	761	179	0
31	201	56	0	818	1,035	1,038	795	665	704	651	267	0
32	228	28	0	815	1,025	1,043	793	665	704	651	267	0
33	241	11	0	819	1,024	1,043	793	665	704	651	267	0

Note:

Units are m^3/h

Table 4-2: Summary of Key CORMIX Model Inputs

Category	Parameters	7Q20 Low Flow Conditions	Average River Flow Conditions
Effluent	Flow (m^3/h)	1,330	1,330
	Flow (m^3/s)	0.369	0.369
	Density (kg/m^3)	1,000.71	1,002.00
Ambient	Ambient Flow (m^3/s)	1.80	30.0
	Predicted Depth (m)	3.51	3.64
	Top Width (m)	76.5	76.5
	Density (kg/m^3)	998.83	1000.02
Outfall	Number of Ports	3	3
	Port Diameter (m)	0.203	0.203
	Length (m)	38.25	38.25
	Start from Bank (m)	19.13	19.13
	End From Bank (m)	57.38	57.38
	Vertical Angle (degrees)	30.0	30.0
	Height off Bottom (m)	0.50	0.50

Notes:
kg/m^3: kilograms per square metre
m^3/s: cubic metres per second
Densities of effluent and ambient flows were derived from water temperature and total dissolved solids concentrations.
Diffuser configurations were assumed to promote the effluent mixing and maintain a discharge velocity of below 4 m/s to prevent erosion and scour of the channel bed.

Table 4-3: CORMIX Model Results, Effluent Strength

Distance Downstream of Discharge Point (m)	Predicted Effluent Strength (%)	
	Theoretical Worst Case	Conservative Expected Case
0	100	100
10	5.4	2.7
25	3.9	1.9
50	3.5	1.8
100	3.0	1.7
150	2.7	1.6
300	2.1	1.5

Note:
Italic values under the theoretical worst case are above the theoretical maximum dilution factor derived from the ratio for ambient and effluent flow rates.

Table 4-4: Summary of Treated Effluent Discharge Quality (Annual Average)

Mine Year	Chloride	Ammonia (as N)	Nitrate (as N)	Phosphorus	Sulfate	Cyanide, WAD	Aluminum	Antimony	Arsenic	Cadmium	Cobalt	Copper	Iron	Lead	Mercury	Moly.	Nickel	Selenium	Tungsten	Vanadium	Zinc
MDMER	**-**	**-**	**-**	**-**	**-**	**0.5**	**-**	**-**	**0.1**	**-**	**-**	**0.1**	**-**	**0.08**	**-**	**-**	**0.25**	**-**	**-**	**-**	**0.4**
-3	12.2	9.8	23.6	0.0046	209	0.004	0.048	0.0089	0.0007	0.00044	0.0008	0.0015	0.27	0.00029	0.000016	0.0066	0.0012	0.0028	0.0033	0.0013	0.003
-2	12.8	10.3	24.8	0.0048	220	0.004	0.051	0.0094	0.0008	0.00046	0.0009	0.0016	0.28	0.00030	0.000016	0.0069	0.0013	0.0029	0.0034	0.0014	0.003
-1	10.8	8.6	20.8	0.0040	184	0.004	0.043	0.0079	0.0006	0.00039	0.0007	0.0013	0.24	0.00026	0.000014	0.0058	0.0011	0.0024	0.0029	0.0012	0.003
1	12.8	10.3	24.7	0.0051	219	0.019	0.055	0.0093	0.0009	0.00046	0.0026	0.0023	0.29	0.00032	0.000017	0.0083	0.0013	0.0030	0.0035	0.0014	0.003
2	23.7	9.9	23.7	0.0074	326	0.019	0.070	0.0122	0.0012	0.00066	0.0036	0.0030	0.32	0.00042	0.000022	0.0109	0.0016	0.0041	0.0067	0.0016	0.004
3	28.6	10.8	25.9	0.0076	346	0.019	0.082	0.0125	0.0014	0.00082	0.0034	0.0031	0.31	0.00055	0.000026	0.0110	0.0019	0.0051	0.0079	0.0018	0.005
4	32.8	11.0	26.4	0.0093	383	0.020	0.10	0.0136	0.0016	0.00106	0.0034	0.0033	0.33	0.00069	0.000032	0.0118	0.0022	0.0063	0.0089	0.0021	0.007
5	34.2	11.2	26.8	0.0089	368	0.021	0.11	0.0138	0.0017	0.00125	0.0032	0.0035	0.31	0.00079	0.000037	0.0119	0.0022	0.0070	0.0088	0.0022	0.007
6	32.6	11.2	27.0	0.0095	360	0.021	0.12	0.0139	0.0018	0.00135	0.0031	0.0035	0.30	0.00087	0.000040	0.0119	0.0024	0.0076	0.0082	0.0023	0.008
7	34.5	11.3	27.1	0.0089	351	0.021	0.12	0.0140	0.0018	0.00144	0.0029	0.0035	0.30	0.00089	0.000041	0.0110	0.0024	0.0077	0.0085	0.0024	0.008
8	34.2	11.2	26.9	0.0084	348	0.023	0.11	0.0129	0.0016	0.00125	0.0031	0.0033	0.29	0.00077	0.000035	0.0111	0.0021	0.0067	0.0087	0.0023	0.007
9	34.0	11.1	26.7	0.0084	353	0.024	0.084	0.0110	0.0014	0.00089	0.0032	0.0031	0.28	0.00057	0.000028	0.0103	0.0018	0.0052	0.0089	0.0020	0.006
10	30.6	10.7	25.4	0.0084	341	0.030	0.071	0.0105	0.0013	0.00070	0.0040	0.0036	0.28	0.00044	0.000021	0.0120	0.0017	0.0041	0.0086	0.0017	0.005
11	30.3	10.5	25.1	0.0084	329	0.030	0.070	0.0103	0.0013	0.00069	0.0040	0.0038	0.28	0.00041	0.000021	0.0121	0.0017	0.0040	0.0087	0.0016	0.005
12	30.5	10.6	25.3	0.0084	327	0.030	0.072	0.0113	0.0013	0.00071	0.0040	0.0038	0.29	0.00041	0.000021	0.0120	0.0017	0.0040	0.0087	0.0017	0.005
13	32.4	10.9	26.1	0.0079	319	0.030	0.076	0.0108	0.0012	0.00077	0.0040	0.0034	0.29	0.00044	0.000023	0.0106	0.0017	0.0042	0.0091	0.0019	0.005
14	29.2	10.0	23.6	0.0067	230	0.030	0.074	0.0076	0.0012	0.00073	0.0040	0.0037	0.23	0.00041	0.000021	0.0098	0.0014	0.0038	0.0081	0.0016	0.005
15	28.8	10.1	24.0	0.0067	234	0.030	0.076	0.0077	0.0012	0.00077	0.0040	0.0034	0.23	0.00042	0.000021	0.0094	0.0015	0.0039	0.0077	0.0016	0.005
16	27.6	9.7	23.0	0.0063	211	0.030	0.074	0.0069	0.0012	0.00072	0.0040	0.0036	0.22	0.00040	0.000020	0.0095	0.0014	0.0036	0.0076	0.0015	0.005
17	29.1	9.9	23.5	0.0062	219	0.030	0.077	0.0072	0.0012	0.00076	0.0040	0.0035	0.28	0.00041	0.000021	0.0094	0.0017	0.0037	0.0079	0.0016	0.005
18	27.8	9.8	23.1	0.0062	217	0.030	0.086	0.0070	0.0012	0.00076	0.0040	0.0036	0.40	0.00042	0.000021	0.0097	0.0019	0.0038	0.0077	0.0016	0.005
19	28.0	9.6	22.7	0.0067	213	0.030	0.088	0.0069	0.0013	0.00075	0.0040	0.0037	0.40	0.00043	0.000022	0.0099	0.0019	0.0039	0.0076	0.0016	0.006
20	28.0	9.6	22.7	0.0067	215	0.030	0.090	0.0069	0.0013	0.00075	0.0040	0.0038	0.42	0.00044	0.000022	0.0100	0.0020	0.0040	0.0076	0.0016	0.006
21	27.9	9.6	22.6	0.0071	228	0.030	0.095	0.0074	0.0013	0.00082	0.0040	0.0039	0.48	0.00045	0.000023	0.0102	0.0021	0.0040	0.0076	0.0016	0.006
22	27.5	9.5	22.3	0.0067	217	0.030	0.10	0.0068	0.0014	0.00081	0.0040	0.0041	0.63	0.00046	0.000023	0.0102	0.0025	0.0040	0.0076	0.0016	0.006
23	27.5	9.7	22.9	0.0071	245	0.030	0.12	0.0071	0.0014	0.00084	0.0040	0.0042	0.96	0.00048	0.000023	0.0104	0.0034	0.0041	0.0073	0.0017	0.007
24	28.4	9.7	23.0	0.0075	253	0.030	0.15	0.0074	0.0014	0.00084	0.0040	0.0046	1.5	0.00049	0.000024	0.0104	0.0049	0.0042	0.0077	0.0017	0.008
25	22.9	8.8	20.3	0.0081	242	0.030	0.58	0.0039	0.0014	0.00107	0.0040	0.0066	2.6	0.00057	0.000020	0.0072	0.0261	0.0031	0.0064	0.0017	0.022
26	18.8	8.3	19.1	0.0079	228	0.030	0.92	0.0022	0.0011	0.00118	0.0040	0.0090	2.6	0.00067	0.000018	0.0041	0.0574	0.0024	0.0053	0.0018	0.045
27	6.7	3.9	7.5	0.0034	81	0.030	0.47	0.0008	0.0007	0.00042	0.0040	0.0055	2.6	0.00035	0.000010	0.0045	0.0201	0.0013	0.0021	0.0006	0.019
28	6.7	3.9	7.5	0.0034	81	0.030	0.47	0.0008	0.0007	0.00042	0.0040	0.0055	2.6	0.00035	0.000010	0.0045	0.0201	0.0013	0.0021	0.0006	0.019
29	6.7	3.9	7.5	0.0034	81	0.030	0.47	0.0008	0.0007	0.00042	0.0040	0.0055	2.6	0.00035	0.000010	0.0045	0.0201	0.0013	0.0021	0.0006	0.019
30	6.8	2.3	4.4	0.0038	113	0.030	0.28	0.0025	0.0005	0.00025	0.0028	0.0033	2.6	0.00020	0.000008	0.0051	0.0122	0.0011	0.0018	0.0012	0.011

Notes:
All units are mg/L.
Grey shaded values are greater than the maximum authorized monthly mean concentrations set by the Metal and Diamond Mining Effluent Regulation (MDMER) for applicable parameters (none).
- indicates not applicable
Influent quality to the WTP and membrane filtration were obtained from Table 5-2 (TMF Pond) and Table 5-5 (WTP Influent, AEX Mine Water Pond) of WSP (2025b).

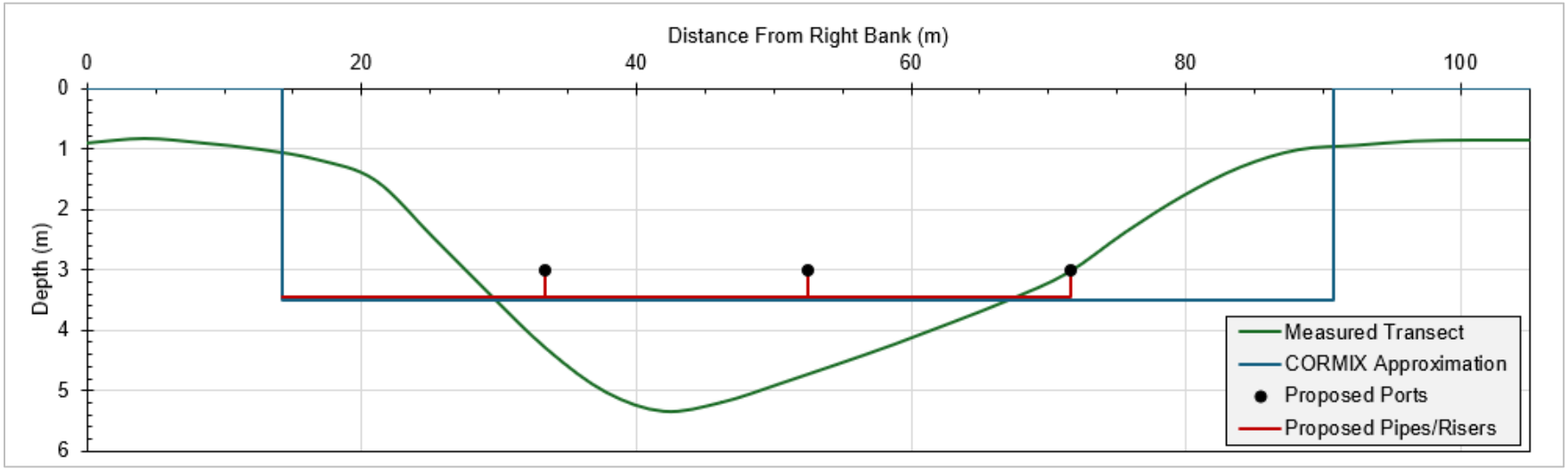
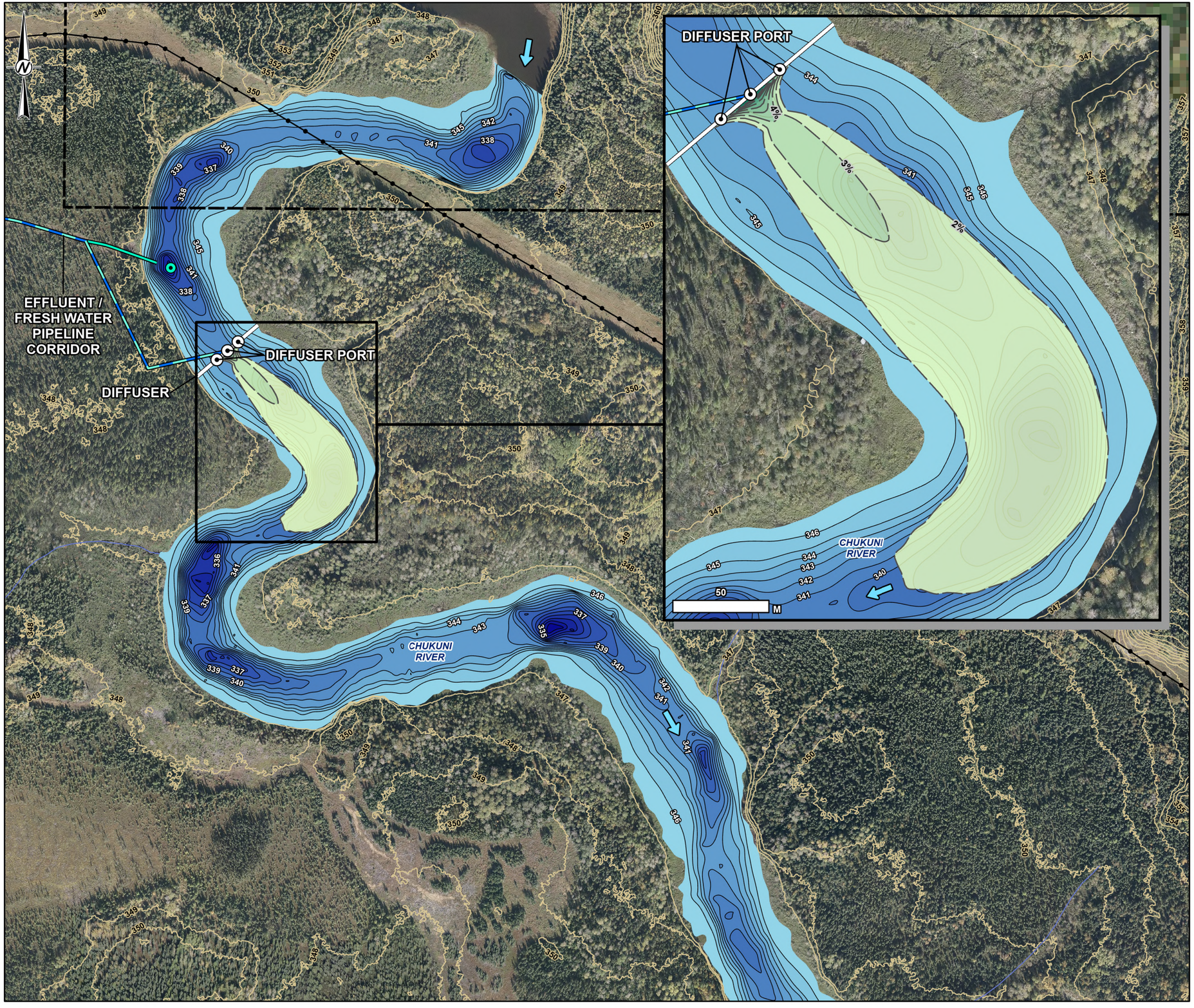
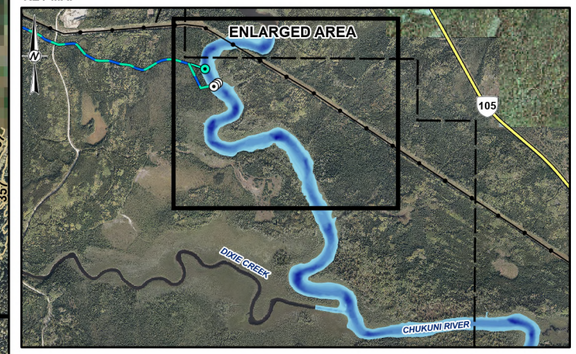


Figure 4-1: Schematic for Ambient Geometry and Proposed Effluent Discharge Configuration



KEY MAP



SCALE: 1:45,000

LEGEND

- PROJECT DIFFUSER
- PROJECT DISCHARGE PORTS
- AEX DISCHARGE
- AEX DISCHARGE PIPELINE
- EFFLUENT / FRESH WATER PIPELINE CORRIDOR
- BATHYMETRY CONTOUR (1 METRE INTERVAL)
- MIXING / EFFLUENT CONCENTRATION EXCESS ISOLINES (PERCENTAGE)
- PROPERTY BOUNDARY
- EXISTING TRANSMISSION LINE
- FLOW DIRECTION
- WATERCOURSE
- CONTOUR (1 METRE INTERVAL)

BATHYMETRY (ELEVATION, MASL) (FILLED CONTOURS)

332 - 333	337 - 338	342 - 343
333 - 334	338 - 339	343 - 344
334 - 335	339 - 340	344 - 345
335 - 336	340 - 341	345 - 346
336 - 337	341 - 342	346 - 346.208

MIXING / EFFLUENT CONCENTRATION EXCESS (PERCENTAGE) (FILLED ISOLINES)

>10	7 - 8	4 - 5
9 - 10	6 - 7	3 - 4
8 - 9	5 - 6	2 - 3

0 75 150 300

1:5,500 METRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. CONTOURS ACQUIRED FROM 2022 LIDAR SURVEY.
3. PROPERTY BOUNDARY PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2024.
4. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
5. SITE PLAN BASED ON INFORMATION PROVIDED BY GREAT BEAR RESOURCES, DECEMBER 2024 / JUNE 2025.
6. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
CORMIX MODEL RESULTS, 7Q20 LOW FLOW CONDITIONS

CONSULTANT

wsp

YYYY-MM-DD	2025-12-02
DESIGNED	----
PREPARED	MD
REVIEWED	----
APPROVED	----

PROJECT NO.	CONTROL	REV.	FIGURE
CA0031271	0001	A	4-2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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EFFLUENT / FRESH WATER PIPELINE CORRIDOR

DIFFUSER PORT

DIFFUSER

CHUKUNI RIVER

DIFFUSER PORT

DIFFUSER PORT

DIFFUSER PORT

2%

3%

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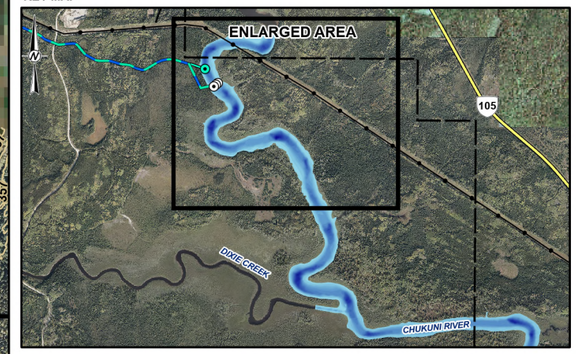
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M

CHUKUNI RIVER

KEY MAP



SCALE: 1:45,000

LEGEND

- PROJECT DIFFUSER
- PROJECT DISCHARGE PORTS
- AEX DISCHARGE
- AEX DISCHARGE PIPELINE
- EFFLUENT / FRESH WATER PIPELINE CORRIDOR
- BATHYMETRY CONTOUR (1 METRE INTERVAL)
- MIXING / EFFLUENT CONCENTRATION EXCESS ISOLINES (PERCENTAGE)
- PROPERTY BOUNDARY
- EXISTING TRANSMISSION LINE
- FLOW DIRECTION
- WATERCOURSE
- CONTOUR (1 METRE INTERVAL)

BATHYMETRY (ELEVATION, MASL) (FILLED CONTOURS)

332 - 333	337 - 338	342 - 343
333 - 334	338 - 339	343 - 344
334 - 335	339 - 340	344 - 345
335 - 336	340 - 341	345 - 346
336 - 337	341 - 342	346 - 346.208

MIXING / EFFLUENT CONCENTRATION EXCESS (PERCENTAGE) (FILLED ISOLINES)

>10	7 - 8	4 - 5
9 - 10	6 - 7	3 - 4
8 - 9	5 - 6	2 - 3

0 75 150 300

1:5,500 METRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. CONTOURS ACQUIRED FROM 2022 LIDAR SURVEY.
3. PROPERTY BOUNDARY PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2024.
4. ROADS INFORMATION PROVIDED BY GREAT BEAR RESOURCES, AUGUST 2022.
5. SITE PLAN BASED ON INFORMATION PROVIDED BY GREAT BEAR RESOURCES, DECEMBER 2024 / JUNE 2025.
6. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
CORMIX MODEL RESULTS, AVERAGE FLOW CONDITIONS

CONSULTANT
wsp

YYYY-MM-DD	2025-12-02
DESIGNED	----
PREPARED	MD
REVIEWED	----
APPROVED	----

PROJECT NO.	CONTROL	REV.	FIGURE
CA0031271	0001	A	4-3

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5 RESULTS, BASE CASE

As discussed in Section 3.5, to support the receiver water quality assessment, a base case scenario (i.e., a conservative expected case) was defined with respect to predicted Project loadings, treated effluent discharge rates and changes in surface - groundwater interactions. Conceptually, the base case represents the most likely set of conditions based on current Project design, operational assumptions and environmental conditions.

Receiver water quality model results for the base case for all modelled parameters across all model timesteps are presented in Appendix E and Appendix G, with corresponding time series graphs provided in Appendix F.

Key model results (operations and ost-closure) presented in the following sections by waterbody, with results presented in tables Table 5-1 through Table 5-14. Operations phase predictions correspond to the greatest predicted change in surface water quality relative to baseline conditions of all Project phases. Post-closure represents long-term equilibrium conditions (i.e., is the longest time period). Receiver water quality model results for the base case for all modelled parameters across all model timesteps are presented in Appendix E and Appendix G.

Unless explicitly stated otherwise, all results discussed in the following sections represent total concentrations.

5.1 DIXIE CREEK

Dixie Creek crosses the southern portion of the Project footprint and flows into the Chukuni River to the east (Figure 3-2). The Project is predicted to interact with Dixie Creek via the following pathways:

- Fugitive seepage from Project components.
- Dust deposition as a result of Project activities, such as construction and open pit mining.
- In post-closure, drainage from the closed and reclaimed Project footprint as well as from the LP central pit.

Changes to Dixie Creek water quality were quantitatively assessed at the following nodes, listed as follows from upstream to downstream (Figure 3-2):

- DIX-2: downstream of the outlet of Dixie Lake, downstream of the confluence with Unnamed Watercourse 1; corresponds to baseline water quality station SW-03
- DIX-3: downstream of the LP Central pit; corresponds to baseline water quality station SW-08
- DIX-4: downstream of the confluence with Unnamed Watercourse 7; downstream of baseline water quality station SW-10
- DIX-5: downstream of the confluence with Unnamed Watercourse; corresponds to baseline water quality station SW-15.

Summary statistics for Dixie Creek for key Project phases (operations and post-closure) are presented in Table 5-1 through Table 5-8. Supporting timeseries graphs and tabulated results are presented in Appendices F and G, respectively. Operations phase predictions correspond to the greatest predicted change in surface water quality relative to baseline conditions of all Project phases. Post-closure represents long-term equilibrium conditions (i.e., is the longest time period).

Water quality predictions for Dixie Creek were informed by the predicted pathways of interaction with the Project as well as upstream modelling results for Dixie Lake and Genessee Lake (Section 5.5). Dixie Creek predictions, in turn, informed the downstream water quality predictions for the Chukuni River (Section 5.2).

Modelling results indicate that predicted concentrations of all modelled parameters in Dixie Creek remain well below the identified WQG PAL across all timesteps and Project phases. As discussed in Section 3.4.1, these results were generated using a conservative mass balance approach, which does not account for degradation, assimilation, or natural attenuation processes along Dixie Creek, which would serve to further reduce predicted concentrations of some parameters in Dixie Creek.

In construction, there are no predicted changes to water quality relative to baseline conditions for Dixie Creek (all nodes: DIX-2, DIX-3, DIX-4 and DIX-5). The interaction of Dixie Creek with the Project during the construction phase is limited to fugitive dust deposition from Project activities, as predicted by the air quality model (Section 3.4.5). There is no surface water discharge or fugitive groundwater seepage from the Project to Dixie Creek as predicted by water balance modelling.

During the operations and active closure phases, several water quality parameters in Dixie Creek are predicted by the mass balance model to increase relative to baseline conditions; however, predicted concentrations remain well below WQG PAL. The greatest relative increases are predicted for node DIX-2 in operations. Parameters with a RPD of at least 20%, ranked from highest to lowest RPD, are: sulphate, ammonia-N, lead, tungsten and cadmium. The highest relative change to baseline concentrations occur in low flow winter months (December, January, February and March). DIX-2 is predicted to receive fugitive groundwater seepage from the TMF, TMF pond, and once it is constructed in Year 16, the MWP. In the winter, DIX-2 has also been conservatively modelled in the receiving water balance and hydrogeological model (WSP 2025d,f) to receive additional bypass seepage from the TMF and TMF pond, due to assumed frozen conditions upstream at UN-1; fugitive seepage reports to UN-1 in the rest of the year.

These predicted concentrations at DIX-2 decline progressively downstream to DIX-5, located upstream of the Chukuni River confluence, where only sulphate maintains RPD values above 20%. This predicted decrease in concentration reflects the influence of dilution along the creek, an outcome of the conservative nature of the model. Note, while RPD is a useful screening tool for identifying key parameters, it should be interpreted alongside absolute concentrations. In this case, the predicted increases are minor in magnitude. For example, baseline sulphate concentrations at DIX-5 range from approximately 1.0 to 1.2 mg/L and are projected to increase to between 1.5 and 2.2 mg/L during the operations phase (Table 5-1, Appendix F).

In post-closure (long-term equilibrium), after the MWP and TMF ponds will be breached, resulting in the cessation of seepage from these sources. Seepage from the closed TMF will continue to influence water quality at DIX-2 and the LP Central pit lake will passively discharge to DIX-3. Model results indicate that the largest changes relative to baseline conditions occur immediately downstream of influences from the LP Central pit lake overflow, specifically at node DIX-3. At this node, several parameters are predicted by the mass balance to increase relative to baseline; however concentrations are well below WQG PAL. Parameters with a RPD of at least 20%, ranked from highest to lowest RPD, are: sulphate, tungsten, cadmium, molybdenum, selenium, zinc, mercury, cobalt, uranium and chloride (Table 5-4). These incremental increases diminish downstream as flow progresses toward DIX-5 such that sulphate, cadmium, molybdenum, antimony, tungsten and zinc have RPD greater than 20%. These predicted increases in actual concentrations are low in magnitude. For example, baseline sulphate concentrations at DIX-5 are approximately 1.0 to 1.2 mg/L, and increase to increase to between 1.8 to 2.7 mg/L in post-closure (Table 5-4, Appendix F). Importantly, these changes to water quality of Dixie Creek relative to baseline conditions are well below the WQG PAL, indicating that water quality remains protective of aquatic life and downstream uses, even under conservative mass balance modelling assumptions.

5.2 CHUKUNI RIVER

The Chukuni River is the proposed receiving environment for the Project and will receive treated effluent discharge during the construction, operations and active closure phases, as required. As discussed in Section 4, results from hydrodynamic modelling indicate that the maximum extent of the mixing zone ranges from approximately 10 to 300 m, and at which point effluent is 2 to 3% of flow and WQG PAL are achieved. This section presents results of the mass balance model for the Chukuni River for modelled parameters.

The Project is predicted to interact with the Chukuni River via the following pathways:

- Discharge of treated effluent to the Chukuni River occurs at rates of 0.31 to 0.78 Mm^3/year in construction and 4.64 to 7.22 Mm^3/year in operations
- Changes in upstream water quality, near the Project site (Dixie Creek, Section 5.1)
- Dust deposition as a result of Project activities, such as construction and open pit mining.

Changes to receiver water quality were quantitatively assessed at the following modelling nodes in the Chukuni River (Figure 3-2):

- CHK-1: At the end of the mixing zone of treated effluent discharge, corresponds to baseline water quality station CR-FDP
- CHK-2: Downstream of Project effluent discharge location (CHK-1) and the confluence with Dixie Creek; corresponds to baseline water quality station CR-DS.

Summary statistics for the Chukuni River for key Project phases (operations and post-closure) are presented in Table 5-10 through Table 5-12. Operations phase predictions correspond to the greatest predicted change in surface water quality relative to baseline conditions of all Project phases. Post-closure represents long-term equilibrium conditions (i.e., is the longest time period). Supporting timeseries graphs and tabulated results are presented in Appendices F and G, respectively. Chukuni River predictions informed the downstream water quality predictions for Pakwash Lake (Section 5.3).

Modelling results indicate that predicted concentrations of all modelled parameters in the Chukuni River remain well below the identified WQG PAL across all timesteps and Project phases or, in the case of existing concentrations greater than WQG PAL (arsenic, phosphorus), remain equivalent to baseline quality (Table 5-9 to Table 5-12). As discussed in Section 3.4.1, these results were generated using a conservative mass balance approach, which does not account for degradation, assimilation or natural attenuation processes, which would serve to further reduce predicted concentrations of some parameters in the Chukuni River.

During the periods of treated effluent discharge, several water quality parameters at CHK-1 are predicted by the mass balance model to increase relative to baseline conditions; however, predicted concentrations remain well below WQG PAL. Parameters with a RPD of at least 20% , ranked from highest to lowest RPD, are: nitrate-N, ammonia-N, tungsten, thallium, cadmium, molybdenum, sulphate, nitrite-N, beryllium and cobalt. Generally, the highest concentrations are associated with the end of the operations phase (maximum loadings from maximum build out), and active closure (when the underground is acidic). As discussed in Section 5.1, while RPD is a useful screening tool for identifying key parameters, it should be interpreted alongside absolute concentrations. In this case, the predicted increases are low in magnitude. For example, 95th percentile baseline nitrate-N concentrations at CHK-1 are approximately 0.13 mg/L and are projected to increase to 0.28 mg/L during the operations phase (Table 5-12, Appendix F). This is well below the WQG PAL for nitrate-N of 3.0 mg/L.

During the periods of treated effluent discharge, several water quality parameters at CHK-2 are predicted by the mass balance model to increase relative to baseline conditions; however, predicted concentrations remain well below WQG PAL. As discussed above, CHK-2 is influenced by predicted quality of Dixie Creek and treated effluent discharge at CHK-1. Parameters with a RPD of at least 20%, ranked from highest to lowest RPD, are: nitrate-N, ammonia-N, tungsten, thallium, cadmium, sulphate, molybdenum, and nitrite-N. The predicted relative increases are low in magnitude. For example, baseline sulphate concentrations at CHK-2 range from approximately 5.3 to 5.8 mg/L and are projected to increase to between 6.6 and 8.0 mg/L during the operations phase, with peak values anticipated in the first half of operations, declining in later years (Table 5-12, Appendix F).

In post-closure (long-term equilibrium), there are no predicted changes relative to baseline conditions for either CHK-1 or CHK-2 (Table 5-10, Table 5-12). There are no Project interactions with CHK-1; water quality of CHK-2 reflects upstream influences from Dixie Creek, including passive discharges from the LP Central pit lake.

5.3 PAKWASH LAKE

The Chukuni River flows into the shallow northern basin of Pakwash Lake, approximately 6 km downstream from the discharge point. The outlet of Pakwash Lake is about 26 km downstream of the discharge point. During Project development, the Project interacts with Pakwash Lake via the following general pathways:

- Project loadings at upstream watercourses (Dixie Creek and Chukuni River)
- Dust deposition as a result of Project activities such as construction and open pit mining.

Changes to Pakwash Lake water quality were quantitatively assessed at the following modelling nodes in Pakwash Lake (Figure 3-2):

- PAK-IN: inlet to Pakwash Lake directly downstream of confluence with the Chukuni River; corresponds to baseline water quality station PL-01
- PAK-L: downstream of PAK-IN, corresponds to baseline water quality station PL-03
- PAK-OUT: the outlet of Pakwash Lake; corresponds to baseline water quality station PL-05
- PAK-IN-2: an upstream node on Pakwash Lake that is not directly influenced by Project activities; represents flows and water quality from the Trout Lake watershed into Pakwash Lake and corresponds to baseline water quality station PL-02.

Summary statistics for Pakwash Lake outlet for key Project phases (operations and post-closure) are presented in Table 5-13 and Table 5-14. Model results for all timesteps for all nodes are presented in supporting timeseries graphs and tabulated results are presented in Appendices F and G, respectively.

Modelling results indicate that predicted concentrations of all modelled parameters in Pakwash Lake remain well below the identified WQG PAL across all timesteps and Project phases (Table 5-13 and Table 5-14). As discussed in Section 3.4.1, these results were generated using a conservative mass balance approach, which does not account for degradation, assimilation, or natural attenuation processes, which would serve to further reduce predicted concentrations of some parameters in Pakwash Lake.

During the operations phase, some water quality parameters are predicted by the mass balance to increase relative to baseline conditions, with the greatest increases observed directly downstream of inflows from the Chukuni River (node, PAK-IN); however, predicted concentrations remain well below the WQG PAL. The calculated RPD values greater than 20% as predicted by the mass balance were observed for (ranked from highest to lowest): nitrate-N, ammonia-N, tungsten, thallium, cadmium, sulphate, molybdenum and nitrite-N at PAK-IN.

At node PAK-OUT, the calculated RPD values greater than 20% as predicted by the mass balance were observed for: nitrate-N, ammonia-N, tungsten, thallium, nitrite-N, cadmium and sulphate; however, predicted concentrations remain well below WQG PAL. Note, while RPD is a useful screening tool for identifying key parameters, it should be interpreted alongside absolute concentrations. In this case, the predicted increases are minor in magnitude. For example, baseline sulphate concentrations at PAK-OUT range from approximately 3.8 to 4.2 mg/L and are projected to increase to between 4.9 and 5.4 mg/L during the operations phase.

There are no parameters different from baseline for Pakwash Lake during construction, active closure and post-closure (long-term equilibrium).

5.4 OTHER WATERCOURSES

5.4.1 SMALL UNNAMED WATERBODIES AND WATERCOURSES

There are several small watercourses and waterbodies within the Property boundary (Figure 1-4, Figure 3-2). The main small watercourses and waterbodies in the area around the planned development, that are part of the modelling domain, include:

- Unnamed Watercourse 1
- Unnamed Watercourse 2
- Unnamed Watercourse 3
- Unnamed Watercourse 4
- Unnamed Watercourse 6
- Unnamed Waterbody 1
- Unnamed Waterbody 6.

These are minor watercourses and waterbodies in terms of size and flow. For example, the largest, Unnamed Watercourse 3, has an estimated catchment area of about 9.4 km², representing less than 5% of the Dixie Creek watershed.

There will be no direct discharge of water into the unnamed waterbodies and watercourses. These features are all located upstream of the treated effluent discharge point into the Chukuni River, as well as upstream of any LP Central pit lake overflows to Dixie Creek in post closure. During Project development, the Project is predicted to interact with these small unnamed waterbodies and watercourses via the following general pathways:

- Fugitive groundwater seepage from Project components
- Dust deposition as a result of Project activities such as construction and open pit mining
- Flow reductions associated with Project development in upstream watershed, and baseflow reductions associated with mine dewatering activities
- In post-closure, drainage from the closed and reclaimed Project footprint.

Changes to receiver water quality were quantitatively assessed at the following modelling nodes in small unnamed waterbodies and watercourses (Figure 3-2):

- UN-1: Unnamed Watercourse 1. Outlet of Unnamed Waterbodies 1 and 2 to Dixie Creek (DIX-2); corresponds to baseline water quality station SW-01
- UN-2: Inlet to Unnamed Waterbody 6 (UN-L6) from various unnamed watercourses; corresponds to baseline water quality station SW 12b
- UN-3: Outlet of Unnamed Waterbody 6 (UN-L6) to Unnamed Watercourse 6, downstream of baseline station baseline water quality station SW 12b
- UN-L6: Unnamed Waterbody 6, corresponds to baseline water quality station SW-14
- UN-4: Unnamed Watercourse 8, corresponds to baseline water quality station SW-GL02
- UN-5: Unnamed Watercourse 11 inlet to Dixie Lake, corresponds to baseline water quality station GL-TRIB
- UN-6: Unnamed Watercourse 10, corresponds to baseline water quality station SW-18.

Base case model results are provided in Appendix E and Appendix G. The following are they key results:

- Predicted concentrations of all modelled parameters are below WQG PAL across all timesteps and Project phases for all unnamed watercourses and waterbodies, with the exception of Unnamed Watercourse 1, which is targeted by the Fish Habitat Offset and Compensation Plan. At UN-1, the greatest increase in concentrations are predicted for cobalt and phosphorus, which are consistently greater than guidelines in operations. In post-closure, there are no concentrations predicted greater than WQG PAL in Unnamed Watercourse 1.
- There are no changes relative to baseline conditions for UN-2 and UN-6 for all Project phases and post-closure.
- Several water quality parameters are projected to increase compared to baseline conditions during operations at UN-3, UN-L6, UN-4, UN-5, and UN-6; however, all predicted concentrations remain well below the WQG PAL. In general, the greatest changes relative to baseline at these nodes were predicted for: ammonia-N, antimony, cadmium, cobalt, lead, phosphorus, and sulphate; although this varies by node.

The receiver water quality model results for all above-identified unnamed waterbodies and watercourses informed downstream conditions in the Chukuni River (Section 5.2), and Dixie Creek (Section 5.1), providing a comprehensive understanding of potential effects throughout the watershed.

5.4.2 GENESEE LAKE AND DIXIE LAKE

There will be no direct discharge of water into Genessee Lake and Dixie Lake and these features are located upstream of the treated effluent discharge point into the Chukuni River, as well as upstream of any pit lake overflows to Dixie Creek in post-closure. Genessee Lake and Dixie Lake were included in this receiving environment model as:

- During Project development, it was conservatively assumed that Genessee Lake and Dixie Lake will have dust deposition as a result of Project activities such as construction and open pit mining.
- There are Project loadings (small amount of seepage, as discussed in Section 3.4.4 and Section 5.4) predicted to occur at upstream Unnamed Watercourse 11 (UN-5), which reports to Dixie Lake near the Dixie Lake outlet.
- The water quality data from upstream waterbodies informed downstream conditions in the Chukuni River (Section 5.2), and Dixie Creek (Section 5.1), ensuring a comprehensive understanding of potential effects throughout the watershed.

Base case model results are provided in Appendix E and Appendix G.

Water quality modelling shows that all predicted concentrations for Genessee Lake and Dixie Lake the are well below the identified WQG PAL across all time periods and phases of the Project and there are no measurable changes relative to baseline conditions.

Table 5-1: Base Case Operations Water Quality, Dixie Creek (DIX-2)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.1	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.51	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.8	FEQG	0.14	0.21	0.15	0.12	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00039	0.00042	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0024	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000022	0.0000088	0.0000094	0.0000084	0.0000058	0.0000054	0.0000093	0.000010	0.0000041	0.0000044	0.000021	0.000022	0.0000090	0.000022
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00041	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.49	0.58	0.47	0.48	0.48	0.47	0.46	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00026	0.00026	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00024	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00030
Nickel	0.025	CCME	0.00072	0.00086	0.00087	0.00070	0.00070	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00015	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00021	0.00024	0.00022	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00082	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00077	0.00070	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0025	0.0024	0.0017	0.0017	0.0021	0.0022	0.0016	0.0016	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00093	0.00094	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia (as N)	1.8	CCME	0.047	0.048	0.095	0.10	0.11	0.081	0.055	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00082	0.00087	0.00092	0.00070	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00060	0.00078	0.00060	0.00092
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0087	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

Notes:
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines.
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative.
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-2: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.8	1.9	2.0	1.9	1.2	1.1	1.2	1.4	1.5	1.4	1.2	1.7	1.4	2.0
Chloride	120	CCME	0.5	1.2	1.4	0.7	0.7	0.8	0.56	0.50	0.57	0.64	0.71	0.70	1.2	1.4	0.7	1.4
Aluminum	0.8	FEQG	0.14	0.21	0.13	0.10	0.099	0.10	0.17	0.17	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.17
Antimony	0.02	iPWQO	0.00039	0.00042	0.00043	0.00044	0.00044	0.00040	0.00024	0.00024	0.00040	0.00040	0.00025	0.00025	0.00039	0.00042	0.00040	0.00044
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0018	0.0022	0.0022	0.0022	0.0018	0.0018	0.0031	0.0030	0.0020	0.0020	0.0019	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000011	0.000011	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0069	0.0067	0.0068	0.0066	0.0058	0.0057	0.0061	0.0063	0.0060	0.0060	0.0063	0.0068	0.0063	0.0069
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000020	0.0000060	0.0000060	0.0000058	0.0000046	0.0000045	0.0000082	0.0000081	0.0000027	0.0000027	0.000019	0.000019	0.0000060	0.000020
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00063	0.00063	0.00064	0.00055	0.00054	0.00069	0.00069	0.00045	0.00045	0.00043	0.00045	0.00055	0.00069
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00017	0.00018	0.00018	0.00017	0.00013	0.00012	0.00018	0.00018	0.00013	0.00013	0.00014	0.00016	0.00016	0.00018
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00093	0.00093	0.00080	0.00079	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.49	0.58	0.45	0.46	0.46	0.42	0.43	0.44	0.53	0.52	0.36	0.36	0.44	0.45	0.45	0.53
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00015	0.00019	0.00019	0.00011	0.00011	0.00016	0.00016	0.00015	0.00019
Magnesium	-	-	3.3	4.2	3.1	4.1	4.0	3.8	2.9	2.9	3.3	3.2	2.8	2.8	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.021	0.045	0.044	0.040	0.019	0.019	0.043	0.043	0.017	0.017	0.020	0.021	0.021	0.045
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000016	0.0000016	0.0000017	0.0000019	0.0000017	0.0000016	0.0000015	0.0000016	0.0000018	0.0000017	0.0000014	0.0000016	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00024	0.00026	0.00032	0.00034	0.00035	0.00047	0.00032	0.00028	0.00032	0.00037	0.00039	0.00038	0.00026	0.00030	0.00033	0.00047
Nickel	0.025	CCME	0.00072	0.00086	0.00085	0.00068	0.00067	0.00064	0.00062	0.00063	0.00073	0.00073	0.00064	0.00063	0.00081	0.00084	0.00068	0.00085
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.025	0.024	0.024	0.034	0.035	0.019	0.019	0.028	0.028	0.036	0.036	0.028	0.036
Potassium	-	-	1.1	1.2	1.3	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.4
Selenium	0.002	BC WQG	0.00011	0.00015	0.000083	0.00017	0.00017	0.00017	0.00012	0.00012	0.00012	0.00013	0.00011	0.00011	0.000069	0.000080	0.00012	0.00017
Silver	0.00025	CCME	0.000023	0.000024	0.000024	0.000024	0.000024	0.000023	0.000015	0.000015	0.000023	0.000023	0.000015	0.000015	0.000022	0.000024	0.000023	0.000024
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000041	0.0000041	0.0000042	0.0000044	0.0000052	0.0000051	0.0000037	0.0000039	0.0000058	0.0000058	0.0000040	0.0000041	0.0000041	0.0000058
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000035	0.000047	0.000049	0.000064	0.000054	0.000048	0.000028	0.000036	0.000060	0.000059	0.000024	0.000033	0.000048	0.000064
Uranium	0.015	CCME	0.00021	0.00024	0.00026	0.00023	0.00024	0.00028	0.00025	0.00024	0.00018	0.00020	0.00025	0.00024	0.00023	0.00025	0.00024	0.00028
Vanadium	0.12	FEQG	0.00082	0.0010	0.00085	0.00080	0.00080	0.00092	0.00101	0.00099	0.00083	0.00087	0.00085	0.00084	0.00080	0.00084	0.00085	0.00101
Zinc	0.03	CCME	0.0016	0.0021	0.0011	0.0020	0.0020	0.0021	0.0016	0.0016	0.0020	0.0020	0.0014	0.0014	0.0011	0.0011	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00095	0.00096	0.00095	0.00088	0.00060	0.00060	0.00089	0.00089	0.00061	0.00061	0.00087	0.00093	0.00089	0.0010
Ammonia (as N)	1.8	CCME	0.047	0.048	0.055	0.056	0.057	0.051	0.030	0.029	0.047	0.049	0.049	0.049	0.047	0.053	0.049	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00047	0.00048	0.00049	0.00044	0.00025	0.00025	0.00041	0.00042	0.00042	0.00042	0.00040	0.00046	0.00042	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0063	0.0065	0.013	0.012	0.0065	0.0064	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.066	0.19	0.19	0.17	0.024	0.022	0.028	0.029	0.051	0.050	0.063	0.065	0.057	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0044	0.0044	0.0044	0.0039	0.0019	0.0019	0.0020	0.0042	0.0041	0.0040	0.0042	0.0044	0.0041	0.0044

Notes:
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines.
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative.
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-3: Base Case Operations Water Quality, Dixie Creek (DIX-3)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.0	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.54	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.82	FEQG	0.15	0.22	0.15	0.13	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00038	0.00040	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0025	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000013	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0058	0.0061	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000072	CCME	0.0000066	0.000020	0.000023	0.0000089	0.0000095	0.0000085	0.0000058	0.0000054	0.0000093	0.000010	0.0000042	0.0000044	0.000021	0.000022	0.0000091	0.000023
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00059	0.00072	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00042	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00094	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.50	0.60	0.47	0.48	0.48	0.47	0.47	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00027	0.00027	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.022	0.050	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000014	0.0000018	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00025	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00029
Nickel	0.025	CCME	0.00073	0.00086	0.00087	0.00070	0.00071	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.3	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.94	0.95	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00016	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000022	0.000023	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000040	0.0000056	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000024	0.000042	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00022	0.00025	0.00023	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00023
Vanadium	0.12	FEQG	0.00085	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00078	0.00071	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0026	0.0024	0.0018	0.0017	0.0021	0.0022	0.0016	0.0017	0.0015	0.0015	0.0017	0.0026
Zirconium	0.004	iPWQO	0.00089	0.00092	0.00093	0.00094	0.00093	0.00087	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia (as N)	1.8	CCME	0.047	0.055	0.095	0.10	0.11	0.081	0.054	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00047	0.00081	0.00087	0.00091	0.00069	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00059	0.00077	0.00059	0.00091
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0086	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0043	0.0045	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-4: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-3)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.2	2.3	2.5	3.6	2.3	2.1	1.8	2.2	2.7	2.7	1.5	2.0	2.3	3.6
Chloride	120	CCME	0.5	1.2	1.4	0.8	0.8	1.1	0.7	0.7	0.7	0.8	0.9	0.9	1.3	1.4	0.9	1.4
Aluminum	0.82	FEQG	0.15	0.22	0.12	0.098	0.097	0.087	0.16	0.17	0.13	0.13	0.094	0.094	0.12	0.12	0.12	0.17
Antimony	0.02	iPWQO	0.00038	0.00040	0.00045	0.00046	0.00046	0.00050	0.00031	0.00030	0.00044	0.00045	0.00033	0.00033	0.00041	0.00044	0.00044	0.00050
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0019	0.0023	0.0023	0.0023	0.0019	0.0019	0.0031	0.0031	0.0021	0.0021	0.0019	0.0019	0.0021	0.0031
Beryllium	0.011	PWQO	0.000013	0.000023	0.000023	0.000012	0.000012	0.000011	0.000010	0.000010	0.000012	0.000012	0.0000100	0.0000100	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0058	0.0061	0.0069	0.0068	0.0069	0.0069	0.0061	0.0060	0.0062	0.0064	0.0063	0.0062	0.0064	0.0068	0.0064	0.0069
Cadmium	0.000072	CCME	0.0000066	0.000020	0.000026	0.000013	0.000014	0.000033	0.000022	0.000019	0.000017	0.000021	0.000022	0.000022	0.000024	0.000025	0.000022	0.000033
Calcium	-	-	12	15	12	15	15	15	10	10	11	11	11	11	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00059	0.00072	0.00045	0.00062	0.00062	0.00059	0.00053	0.00053	0.00067	0.00067	0.00044	0.00043	0.00043	0.00044	0.00053	0.00067
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00020	0.00021	0.00022	0.00028	0.00020	0.00019	0.00022	0.00023	0.00022	0.00021	0.00017	0.00019	0.00021	0.00028
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.00098	0.00098	0.00099	0.00092	0.00092	0.00080	0.00079	0.0011	0.0011	0.00098	0.0011
Iron	0.8	FEQG	0.50	0.60	0.44	0.45	0.44	0.38	0.40	0.42	0.51	0.50	0.33	0.33	0.43	0.44	0.44	0.51
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00013	0.00014	0.00015	0.00019	0.00018	0.00011	0.00011	0.00015	0.00016	0.00015	0.0002
Magnesium	-	-	3.3	4.2	3.1	4.0	4.0	3.7	2.9	2.9	3.3	3.2	2.9	2.9	3.1	3.1	3.1	4.0
Manganese	-	-	0.022	0.050	0.022	0.045	0.045	0.044	0.023	0.022	0.045	0.045	0.021	0.021	0.021	0.022	0.022	0.045
Mercury	0.000026	CCME	0.0000014	0.0000018	0.0000019	0.0000019	0.0000020	0.0000029	0.0000024	0.0000022	0.0000019	0.0000021	0.0000025	0.0000025	0.0000016	0.0000018	0.0000021	0.0000029
Molybdenum	31	SEQG	0.00025	0.00026	0.00035	0.00038	0.00039	0.00059	0.00041	0.00036	0.00037	0.00043	0.00049	0.00048	0.00029	0.00033	0.00038	0.00059
Nickel	0.025	CCME	0.00073	0.00086	0.0009	0.00074	0.00075	0.0009	0.0008	0.00076	0.00081	0.0008	0.0008	0.0008	0.00085	0.00089	0.00081	0.0009
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.024	0.024	0.023	0.033	0.034	0.019	0.019	0.027	0.027	0.035	0.036	0.027	0.036
Potassium	-	-	1.1	1.3	1.4	1.5	1.5	1.6	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.6
Selenium	0.002	BC WQG	0.00011	0.00016	0.00011	0.00020	0.00020	0.00027	0.00019	0.00018	0.00016	0.00018	0.00019	0.00018	0.00009	0.00010	0.00018	0.00027
Silver	0.00025	CCME	0.000022	0.000023	0.000025	0.000026	0.000026	0.000027	0.000018	0.000017	0.000024	0.000025	0.000019	0.000019	0.000023	0.000025	0.000024	0.000027
Thallium	0.008	CCME	0.0000040	0.0000056	0.0000043	0.0000044	0.0000044	0.0000053	0.0000057	0.0000056	0.0000041	0.0000043	0.0000063	0.0000063	0.0000042	0.000004	0.0000044	0.0000063
Tungsten	0.03	iPWQO	0.000024	0.000042	0.000048	0.000061	0.000066	0.00012	0.000089	0.000077	0.000047	0.000062	0.00010	0.00010	0.000035	0.000045	0.000064	0.00012
Uranium	0.015	CCME	0.00022	0.00025	0.00028	0.00025	0.00026	0.00035	0.00029	0.00028	0.00021	0.00024	0.00030	0.00029	0.00024	0.00027	0.00027	0.00035
Vanadium	0.12	FEQG	0.00085	0.0010	0.00087	0.00082	0.00083	0.00098	0.00104	0.00102	0.00086	0.00090	0.00090	0.00089	0.00082	0.00086	0.00088	0.00104
Zinc	0.03	CCME	0.0016	0.0021	0.0015	0.0024	0.0024	0.0033	0.0025	0.0023	0.0024	0.0026	0.0024	0.0024	0.0014	0.0014	0.0024	0.0033
Zirconium	0.004	iPWQO	0.00089	0.00092	0.0010	0.0010	0.0010	0.0011	0.00073	0.00071	0.00095	0.0010	0.00076	0.00075	0.00091	0.0010	0.00096	0.0011
Ammonia (as N)	1.8	CCME	0.047	0.055	0.055	0.056	0.057	0.053	0.032	0.031	0.048	0.049	0.050	0.050	0.047	0.053	0.050	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00047	0.00047	0.00048	0.00049	0.00045	0.00027	0.00026	0.00041	0.00042	0.00043	0.00043	0.00040	0.00046	0.00043	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0065	0.0067	0.013	0.012	0.0068	0.0067	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.067	0.19	0.19	0.16	0.029	0.026	0.031	0.032	0.054	0.053	0.063	0.066	0.059	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0043	0.0045	0.0044	0.0044	0.0043	0.0037	0.0019	0.0019	0.0020	0.0041	0.0040	0.0039	0.0042	0.0044	0.0040	0.0044

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-5: Base Case Operations Water Quality, Dixie Creek (DIX-4)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.1	2.2	2.3	1.8	1.5	1.2	1.3	1.4	1.5	1.6	1.5	1.9	1.5	2.3
Chloride	120	CCME	0.74	1.4	1.2	0.57	0.88	0.82	0.38	0.37	0.61	0.55	0.50	0.55	1.1	1.1	0.59	1.2
Aluminum	0.82	FEQG	0.22	0.30	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.19	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00026	0.00032	0.00039	0.00039	0.00039	0.00036	0.00021	0.00021	0.00039	0.00035	0.00021	0.00026	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0022	0.0030	0.0019	0.0023	0.0024	0.0024	0.0019	0.0019	0.0030	0.0032	0.0023	0.0023	0.0021	0.0019	0.0023	0.0032
Beryllium	0.011	PWQO	0.000016	0.000022	0.000023	0.000013	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000021	0.000013	0.000023
Boron	1.5	CCME	0.0056	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0060	0.0060	0.0058	0.0060
Cadmium	0.000072	CCME	0.0000080	0.000018	0.000023	0.000011	0.0000089	0.0000083	0.0000056	0.0000052	0.0000091	0.0000091	0.0000045	0.0000042	0.000019	0.000019	0.0000090	0.000023
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00088	0.00052	0.00067	0.00071	0.00068	0.00060	0.00060	0.00078	0.00069	0.00049	0.00052	0.00050	0.00046	0.00060	0.0008
Cobalt	0.0009	iPWQO	0.00018	0.00024	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.60	0.76	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.59	0.46	0.47	0.50	0.48	0.52	0.61
Lead	0.016	FEQG	0.00019	0.00023	0.00024	0.00024	0.00025	0.00023	0.00019	0.00019	0.00023	0.00024	0.00017	0.00019	0.00022	0.00022	0.00023	0.00025
Magnesium	-	-	3.6	4.4	3.4	4.2	4.2	4.1	3.1	3.0	3.3	3.5	3.1	3.4	3.2	3.2	3.4	4.2
Manganese	-	-	0.033	0.058	0.024	0.044	0.047	0.047	0.021	0.021	0.047	0.050	0.022	0.023	0.0204	0.020	0.024	0.050
Mercury	0.000026	CCME	0.0000018	0.0000026	0.0000015	0.0000015	0.0000015	0.0000015	0.0000018	0.0000018	0.0000017	0.0000016	0.0000015	0.0000014	0.0000015	0.0000013	0.0000015	0.0000018
Molybdenum	31	SEQG	0.00025	0.00031	0.00028	0.00029	0.00028	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00028	0.00025	0.00026	0.00026	0.00029
Nickel	0.025	CCME	0.00088	0.00095	0.00087	0.00072	0.00078	0.00076	0.00070	0.00069	0.00084	0.00082	0.00075	0.00075	0.00088	0.00084	0.00077	0.00088
Phosphorus	0.03	iPWQO	0.035	0.037	0.037	0.027	0.029	0.028	0.036	0.036	0.022	0.024	0.032	0.031	0.037	0.036	0.032	0.037
Potassium	-	-	1.2	1.3	1.2	1.3	1.3	1.3	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00034	0.00017	0.00024	0.00014	0.00014	0.00011	0.00010	0.00011	0.00011	0.000088	0.000084	0.000071	0.000070	0.00011	0.00024
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000020	0.000012	0.000012	0.000023	0.000020	0.000013	0.000014	0.000023	0.000020	0.000020	0.000023
Thallium	0.008	CCME	0.0000047	0.0000063	0.0000041	0.0000041	0.0000041	0.0000042	0.0000051	0.0000050	0.0000047	0.0000039	0.0000055	0.0000059	0.0000047	0.0000041	0.0000044	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000078	0.000027	0.000035	0.000036	0.000035	0.000041	0.000038	0.000023	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00025	0.00037	0.00029	0.00026	0.00021	0.00021	0.00020	0.00020	0.00017	0.00019	0.00020	0.00023	0.00024	0.00024	0.00021	0.00029
Vanadium	0.12	FEQG	0.0010	0.0012	0.00090	0.00085	0.00086	0.00084	0.00099	0.00099	0.00096	0.00094	0.00082	0.00086	0.00089	0.00086	0.00087	0.0010
Zinc	0.03	CCME	0.0016	0.0023	0.0016	0.0023	0.0024	0.0023	0.0017	0.0016	0.0023	0.0020	0.0015	0.0016	0.0014	0.0014	0.0017	0.0024
Zirconium	0.004	iPWQO	0.00076	0.0009	0.0009	0.00088	0.00090	0.00084	0.00058	0.00058	0.00092	0.00083	0.00060	0.00063	0.00091	0.0008	0.00083	0.0009
Ammonia (as N)	1.8	CCME	0.046	0.097	0.096	0.10	0.084	0.068	0.047	0.039	0.055	0.056	0.061	0.065	0.058	0.069	0.060	0.0995
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00084	0.00082	0.00086	0.00072	0.00059	0.00040	0.00034	0.00047	0.00048	0.00052	0.00056	0.00050	0.00060	0.00052	0.00086
Nitrite (as N)	0.06	CCME	0.0099	0.014	0.015	0.015	0.016	0.014	0.0070	0.0066	0.014	0.012	0.0086	0.0086	0.014	0.013	0.013	0.016
Nitrate (as N)	3	CCME	0.061	0.20	0.081	0.19	0.20	0.19	0.026	0.022	0.029	0.028	0.050	0.055	0.066	0.068	0.060	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0042	0.0040	0.0040	0.0040	0.0037	0.0019	0.0019	0.0025	0.0041	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-6: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-4)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.9	2.0	2.0	2.8	1.9	1.7	1.5	1.9	2.2	2.2	1.3	1.7	1.9	2.8
Chloride	120	CCME	0.7	1.4	1.3	0.8	1.1	1.2	0.6	0.6	0.7	0.7	0.8	0.8	1.1	1.2	0.8	1.3
Aluminum	0.82	FEQG	0.22	0.30	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00026	0.00032	0.00040	0.00040	0.00040	0.00043	0.00026	0.00025	0.00041	0.00039	0.00028	0.00031	0.00037	0.00038	0.00038	0.00043
Arsenic	0.005	iPWQO	0.0022	0.0030	0.0018	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0022	0.0020	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000023	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000022	0.000021	0.000013	0.000023
Boron	1.5	CCME	0.0056	0.0059	0.0065	0.0064	0.0064	0.0065	0.0058	0.0058	0.0061	0.0061	0.0062	0.0061	0.0062	0.0064	0.0062	0.0065
Cadmium	0.000072	CCME	0.0000080	0.000018	0.000025	0.000014	0.000012	0.000025	0.000016	0.000014	0.000014	0.000016	0.000016	0.000016	0.000020	0.000021	0.000016	0.000025
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00088	0.00051	0.00066	0.00070	0.00067	0.00060	0.00059	0.00077	0.00068	0.00050	0.00053	0.00049	0.00046	0.00059	0.00077
Cobalt	0.0009	iPWQO	0.00018	0.00024	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00023	0.00023	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00088	0.00086	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.60	0.76	0.49	0.49	0.56	0.50	0.47	0.48	0.59	0.55	0.42	0.43	0.48	0.46	0.49	0.59
Lead	0.016	FEQG	0.00019	0.00023	0.00017	0.00017	0.00017	0.00015	0.00015	0.00016	0.00020	0.00020	0.00013	0.00013	0.00016	0.00016	0.00016	0.0002
Magnesium	-	-	3.6	4.4	3.4	4.2	4.2	3.9	3.0	3.0	3.3	3.4	3.0	3.3	3.2	3.2	3.3	4.2
Manganese	-	-	0.033	0.058	0.026	0.046	0.048	0.048	0.023	0.023	0.047	0.050	0.025	0.026	0.021	0.021	0.026	0.050
Mercury	0.000026	CCME	0.0000018	0.0000026	0.0000018	0.0000019	0.0000019	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000017	0.0000016	0.0000021	0.0000026
Molybdenum	31	SEQG	0.00025	0.00031	0.00033	0.00035	0.00034	0.00049	0.00034	0.00030	0.00032	0.00037	0.00042	0.00043	0.00028	0.00030	0.00034	0.00049
Nickel	0.025	CCME	0.00088	0.00095	0.00089	0.00075	0.00081	0.0009	0.00079	0.00077	0.00087	0.0009	0.0008	0.0008	0.00089	0.00086	0.00085	0.0009
Phosphorus	0.03	iPWQO	0.035	0.037	0.036	0.026	0.028	0.026	0.034	0.035	0.022	0.023	0.030	0.030	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.3	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00034	0.00019	0.00026	0.00018	0.00023	0.00016	0.00015	0.00014	0.00015	0.00016	0.00015	0.000089	0.00009	0.00016	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000015	0.000015	0.000024	0.000022	0.000017	0.000018	0.000023	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000047	0.0000063	0.0000043	0.0000044	0.0000044	0.0000050	0.0000055	0.0000054	0.0000049	0.0000043	0.0000060	0.0000063	0.0000048	0.0000043	0.0000049	0.0000063
Tungsten	0.03	iPWQO	0.000038	0.000078	0.000042	0.000052	0.000055	0.000091	0.000073	0.000064	0.000041	0.000059	0.000090	0.000094	0.000037	0.000044	0.000057	0.000094
Uranium	0.015	CCME	0.00025	0.00037	0.00032	0.00029	0.00026	0.00032	0.00027	0.00025	0.00020	0.00024	0.00027	0.00030	0.00026	0.00027	0.00027	0.00032
Vanadium	0.12	FEQG	0.0010	0.0012	0.00094	0.00089	0.00091	0.00100	0.0011	0.0011	0.00100	0.0010	0.00093	0.00097	0.00090	0.00089	0.00095	0.0011
Zinc	0.03	CCME	0.0016	0.0023	0.0015	0.0023	0.0023	0.0030	0.0022	0.0020	0.0025	0.0023	0.0021	0.0021	0.0013	0.0014	0.0021	0.0030
Zirconium	0.004	iPWQO	0.00076	0.00094	0.00091	0.00092	0.00094	0.0010	0.00068	0.00066	0.00095	0.00089	0.00071	0.00074	0.00092	0.00085	0.00090	0.0010
Ammonia (as N)	1.8	CCME	0.046	0.097	0.071	0.072	0.054	0.051	0.032	0.032	0.048	0.048	0.049	0.048	0.045	0.047	0.048	0.072
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00084	0.00061	0.00062	0.00046	0.00044	0.00028	0.00028	0.00041	0.00041	0.00042	0.00041	0.00039	0.00041	0.00041	0.00062
Nitrite (as N)	0.06	CCME	0.0099	0.014	0.012	0.012	0.013	0.011	0.0057	0.0059	0.013	0.011	0.0074	0.0071	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.061	0.20	0.077	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.050	0.055	0.065	0.065	0.060	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0042	0.0038	0.0038	0.0038	0.0034	0.0018	0.0019	0.0024	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-7: Base Case Operations Water Quality, Dixie Creek (DIX-5)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.1	2.2	2.3	1.8	1.5	1.2	1.3	1.4	1.5	1.6	1.5	1.9	1.5	2.3
Chloride	120	CCME	0.74	1.4	1.2	0.57	0.88	0.82	0.38	0.37	0.61	0.55	0.50	0.55	1.1	1.1	0.59	1.2
Aluminum	0.73	FEQG	0.22	0.30	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.19	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00026	0.00032	0.00039	0.00039	0.00039	0.00036	0.00021	0.00021	0.00039	0.00035	0.00021	0.00026	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0022	0.0030	0.0019	0.0023	0.0024	0.0024	0.0019	0.0019	0.0030	0.0032	0.0023	0.0023	0.0021	0.0019	0.0023	0.0032
Beryllium	0.011	PWQO	0.000016	0.000022	0.000023	0.000013	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000021	0.000013	0.000023
Boron	1.5	CCME	0.0056	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0060	0.0060	0.0058	0.0060
Cadmium	0.000083	CCME	0.0000080	0.000018	0.000023	0.000011	0.0000089	0.0000083	0.0000056	0.0000052	0.0000091	0.0000091	0.0000045	0.0000042	0.000019	0.000019	0.0000090	0.000023
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00088	0.00052	0.00067	0.00071	0.00068	0.00060	0.00060	0.00078	0.00069	0.00049	0.00052	0.00050	0.00046	0.00060	0.0008
Cobalt	0.0009	iPWQO	0.00018	0.00024	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.60	0.76	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.59	0.46	0.47	0.50	0.48	0.52	0.61
Lead	0.017	FEQG	0.00019	0.00023	0.00024	0.00024	0.00025	0.00023	0.00019	0.00019	0.00023	0.00024	0.00017	0.00019	0.00022	0.00022	0.00023	0.00025
Magnesium	-	-	3.6	4.4	3.4	4.2	4.2	4.1	3.1	3.0	3.3	3.5	3.1	3.4	3.2	3.2	3.4	4.2
Manganese	-	-	0.033	0.058	0.024	0.044	0.047	0.047	0.021	0.021	0.047	0.050	0.022	0.023	0.0204	0.020	0.024	0.050
Mercury	0.000026	CCME	0.0000018	0.0000026	0.0000015	0.0000015	0.0000015	0.0000015	0.0000018	0.0000018	0.0000017	0.0000016	0.0000015	0.0000014	0.0000015	0.0000013	0.0000015	0.0000018
Molybdenum	31	SEQG	0.00025	0.00031	0.00028	0.00029	0.00028	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00028	0.00025	0.00026	0.00026	0.00029
Nickel	0.025	CCME	0.00088	0.00095	0.00087	0.00072	0.00078	0.00076	0.00070	0.00069	0.00084	0.00082	0.00075	0.00075	0.00088	0.00084	0.00077	0.00088
Phosphorus	0.03	iPWQO	0.035	0.037	0.037	0.027	0.029	0.028	0.036	0.036	0.022	0.024	0.032	0.031	0.037	0.036	0.032	0.037
Potassium	-	-	1.2	1.3	1.2	1.3	1.3	1.3	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00034	0.00017	0.00024	0.00014	0.00014	0.00011	0.00010	0.00011	0.00011	0.000088	0.000084	0.000071	0.000070	0.00011	0.00024
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000020	0.000012	0.000012	0.000023	0.000020	0.000013	0.000014	0.000023	0.000020	0.000020	0.000023
Thallium	0.008	CCME	0.0000047	0.0000063	0.0000041	0.0000041	0.0000041	0.0000042	0.0000051	0.0000050	0.0000047	0.0000039	0.0000055	0.0000059	0.0000047	0.0000041	0.0000044	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000078	0.000027	0.000035	0.000036	0.000035	0.000041	0.000038	0.000023	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00025	0.00037	0.00029	0.00026	0.00021	0.00021	0.00020	0.00020	0.00017	0.00019	0.00020	0.00023	0.00024	0.00024	0.00021	0.00029
Vanadium	0.12	FEQG	0.0010	0.0012	0.00090	0.00085	0.00086	0.00084	0.00099	0.00099	0.00096	0.00094	0.00082	0.00086	0.00089	0.00086	0.00087	0.0010
Zinc	0.03	CCME	0.0016	0.0023	0.0016	0.0023	0.0024	0.0023	0.0017	0.0016	0.0023	0.0020	0.0015	0.0016	0.0014	0.0014	0.0017	0.0024
Zirconium	0.004	iPWQO	0.00076	0.0009	0.0009	0.00088	0.00090	0.00084	0.00058	0.00058	0.00092	0.00083	0.00060	0.00063	0.00091	0.0008	0.00083	0.0009
Ammonia (as N)	1.8	CCME	0.046	0.097	0.096	0.10	0.084	0.068	0.047	0.039	0.055	0.056	0.061	0.065	0.058	0.069	0.060	0.0995
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00084	0.00082	0.00086	0.00072	0.00059	0.00040	0.00034	0.00047	0.00048	0.00052	0.00056	0.00050	0.00060	0.00052	0.00086
Nitrite (as N)	0.06	CCME	0.0099	0.014	0.015	0.015	0.016	0.014	0.0070	0.0066	0.014	0.012	0.0086	0.0086	0.014	0.013	0.013	0.016
Nitrate (as N)	3	CCME	0.061	0.20	0.081	0.19	0.20	0.19	0.026	0.022	0.029	0.028	0.050	0.055	0.066	0.068	0.060	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0042	0.0040	0.0040	0.0040	0.0037	0.0019	0.0019	0.0025	0.0041	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-8: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.8	1.9	1.9	2.7	1.8	1.6	1.5	1.8	2.1	2.1	1.3	1.6	1.8	2.7
Chloride	120	CCME	0.9	1.6	1.4	0.9	1.2	1.4	0.8	0.7	0.9	0.9	1.0	1.0	1.3	1.4	1.0	1.4
Aluminum	0.73	FEQG	0.22	0.29	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00028	0.00033	0.00040	0.00040	0.00040	0.00042	0.00026	0.00026	0.00041	0.00038	0.00028	0.00032	0.00037	0.00038	0.00038	0.00042
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0019	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0023	0.0021	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000021	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0065	0.0063	0.0063	0.0064	0.0058	0.0058	0.0061	0.0061	0.0062	0.0060	0.0061	0.0064	0.0061	0.0065
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000024	0.000013	0.000011	0.000023	0.000015	0.000013	0.000014	0.000015	0.000016	0.000015	0.000019	0.000020	0.000015	0.000024
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00066	0.00070	0.00066	0.00060	0.00060	0.00076	0.00067	0.00050	0.00053	0.00049	0.00046	0.00060	0.00076
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00022	0.00022	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00088	0.00085	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.59	0.75	0.48	0.49	0.56	0.50	0.47	0.48	0.58	0.55	0.42	0.43	0.48	0.46	0.48	0.58
Lead	0.017	FEQG	0.00018	0.00022	0.00017	0.00016	0.000164	0.000152	0.000152	0.00016	0.00020	0.00019	0.00013	0.00013	0.00016	0.00016	0.00016	0.00020
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.0	3.1	3.1	3.3	3.5	3.1	3.4	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.027	0.046	0.049	0.048	0.024	0.024	0.047	0.051	0.026	0.027	0.022	0.022	0.027	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000019	0.0000019	0.0000020	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000018	0.0000017	0.0000022	0.0000026
Molybdenum	31	SEQG	0.00026	0.00031	0.00032	0.00034	0.00033	0.00047	0.00033	0.00029	0.00032	0.00036	0.00041	0.00042	0.00028	0.00029	0.00033	0.00047
Nickel	0.025	CCME	0.00087	0.00093	0.00088	0.00075	0.00081	0.0009	0.00078	0.00076	0.00086	0.00086	0.0008	0.00083	0.00087	0.00085	0.00084	0.0009
Phosphorus	0.03	iPWQO	0.034	0.036	0.035	0.026	0.028	0.026	0.033	0.034	0.022	0.023	0.030	0.029	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00032	0.00019	0.00026	0.00017	0.00022	0.00016	0.00015	0.00014	0.00015	0.00015	0.00015	0.000091	0.00010	0.00015	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000016	0.000015	0.000024	0.000022	0.000017	0.000018	0.000024	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000043	0.0000044	0.0000044	0.0000050	0.0000054	0.0000053	0.0000050	0.0000043	0.0000059	0.0000062	0.0000049	0.0000043	0.0000049	0.0000062
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000041	0.000050	0.000053	0.000086	0.000069	0.000062	0.000040	0.000057	0.000086	0.000091	0.000037	0.000043	0.000055	0.000091
Uranium	0.015	CCME	0.00024	0.00035	0.00031	0.00029	0.00025	0.00030	0.00026	0.00025	0.00020	0.00023	0.00026	0.00029	0.00025	0.00026	0.00026	0.00031
Vanadium	0.12	FEQG	0.0010	0.0012	0.00092	0.00088	0.00089	0.00097	0.00105	0.00104	0.00099	0.0010	0.00092	0.00095	0.00089	0.00088	0.00094	0.0011
Zinc	0.03	CCME	0.0016	0.0024	0.0015	0.0022	0.0023	0.0029	0.0021	0.0020	0.0024	0.0023	0.0020	0.0020	0.0014	0.0014	0.0021	0.0029
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00091	0.00092	0.00094	0.0010	0.00069	0.00067	0.00095	0.00089	0.00072	0.00075	0.00092	0.00085	0.00090	0.0010
Ammonia (as N)	1.8	CCME	0.049	0.10	0.073	0.074	0.056	0.054	0.037	0.036	0.051	0.051	0.052	0.051	0.047	0.049	0.051	0.074
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00063	0.00064	0.00048	0.00046	0.00031	0.00031	0.00044	0.00044	0.00045	0.00044	0.00041	0.00042	0.00044	0.00064
Nitrite (as N)	0.06	CCME	0.011	0.015	0.012	0.012	0.013	0.011	0.0061	0.0062	0.013	0.011	0.0078	0.0075	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.059	0.19	0.076	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.049	0.054	0.063	0.064	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0038	0.0038	0.0038	0.0034	0.0019	0.0020	0.0025	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
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FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-9: Base Case Operations Water Quality, Chukuni River (CHK-1)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.7	6.9	6.9	8.6	7.0	6.7	5.8	7.8	7.7	7.4	6.6	6.6	6.9	8.4
Chloride	120	CCME	2.7	3.2	2.8	3.3	3.3	3.5	2.8	2.7	2.9	2.7	2.7	2.7	2.8	2.8	2.8	3.5
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.06	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00043	0.00048	0.00048	0.00052	0.00032	0.00031	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00043	0.00051
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0084	0.0055	0.0055	0.0070	0.0076	0.012	0.0094	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000097	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0084	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0065	0.0067	0.0083	0.0083	0.0061	0.0084
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000091	0.0000100	0.0000101	0.000014	0.0000079	0.0000070	0.0000087	0.0000117	0.0000105	0.000017	0.0000089	0.0000087	0.0000098	0.000018
Calcium	-	-	11	12	11	12	12	12	10	10	11	9.0	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00048	0.00029	0.00037	0.00105	0.00043	0.00043	0.00050	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000093	0.000094	0.00013	0.00017	0.00017	0.00015	0.00011	0.00014	0.00024	0.00010	0.00011	0.00012	0.00023
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.00009	0.000047	0.000047	0.000050	0.00012	0.00012	0.00010	0.000099	0.00021	0.00015	0.000092	0.00009	0.000096	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.6	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0078	0.008	0.010	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000088	0.00000072	0.00000074	0.00000087	0.0000015	0.0000015	0.00000092	0.00000098	0.0000010	0.0000010	0.00000088	0.00000087	0.00000092	0.0000015
Molybdenum	31	SEQG	0.00021	0.00029	0.00023	0.00027	0.00028	0.00037	0.00026	0.00025	0.00027	0.00025	0.00030	0.00041	0.00024	0.00023	0.00027	0.00041
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0013	0.00095	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.020	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1.1	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.91	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00012	0.00013	0.00011	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.00013	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000020	0.0000062	0.0000060	0.0000061	0.0000065	0.000013	0.000028	0.000015	0.000015	0.000015	0.000028
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000056	0.0000040	0.0000041	0.0000129	0.0000106	0.0000100	0.0000063	0.0000065	0.0000064	0.0000093	0.0000052	0.0000061	0.0000073	0.0000132
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000080	0.000126	0.000104	0.000096	0.000100	0.000119	0.000118	0.000115	0.000070	0.000070	0.000096	0.00012
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00014	0.00010	0.00010	0.00011	0.00013	0.00012	0.00014	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00042	0.00063	0.00063	0.00078	0.00061	0.00074	0.00098	0.00056	0.00056	0.00059	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0014	0.0020	0.0015	0.002	0.0015	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00078	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00051	0.00070	0.00070	0.00061	0.00078
Ammonia (as N)	1.8	CCME	0.034	0.046	0.057	0.071	0.078	0.14	0.076	0.068	0.068	0.088	0.11	0.099	0.058	0.055	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00049	0.00061	0.00067	0.00117	0.00065	0.00058	0.00058	0.00076	0.00094	0.00085	0.00049	0.00048	0.00063	0.00114
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0086	0.0094	0.0098	0.012	0.0027	0.0024	0.0022	0.0029	0.0078	0.0082	0.0086	0.0085	0.0083	0.012
Nitrate (as N)	3	CCME	0.034	0.13	0.073	0.18	0.19	0.28	0.110	0.096	0.091	0.12	0.13	0.16	0.074	0.070	0.11	0.28
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0028	0.0028	0.0028	0.0030	0.0007	0.0007	0.0018	0.0018	0.0021	0.0021	0.0028	0.0028	0.0025	0.0030

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-10: Base Case Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.0	6.1	6.1	6.1	5.1	5.1	4.0	5.3	5.2	5.1	6.0	6.0	5.7	6.1
Chloride	120	CCME	2.7	3.2	2.7	3.2	3.2	3.3	2.6	2.6	2.7	2.5	2.5	2.5	2.7	2.7	2.7	3.3
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.059	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00035	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0077	0.012	0.0095	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000094	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0080	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0053	0.0057	0.0080	0.0080	0.0050	0.0080
Cadmium	0.000067	CCME	0.0000068	0.000008	0.0000068	0.0000071	0.0000071	0.0000071	0.0000025	0.0000025	0.0000036	0.0000046	0.0000031	0.000010	0.0000068	0.0000068	0.0000068	0.00001
Calcium	-	-	11	12	11	12	12	12	10	10	10	8.4	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00047	0.00029	0.00037	0.0011	0.00043	0.00043	0.00049	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000090	0.000090	0.000091	0.00014	0.00014	0.00014	0.000091	0.00011	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.000091	0.000045	0.000045	0.000045	0.00012	0.00012	0.000098	0.000095	0.00021	0.00015	0.000091	0.000091	0.000093	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.5	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0079	0.0078	0.0095	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000082	0.00000065	0.00000065	0.00000066	0.0000013	0.0000013	0.00000078	0.00000079	0.00000082	0.00000082	0.00000082	0.00000082	0.00000082	0.0000013
Molybdenum	31	SEQG	0.00021	0.00029	0.00021	0.00025	0.00025	0.00025	0.00018	0.00018	0.00022	0.00017	0.00022	0.00033	0.00021	0.00021	0.00021	0.00033
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0012	0.00094	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.021	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1	1.1	1.1	1.1	1.1	1.1	0.99	0.99	0.98	0.84	0.99	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00012	0.00012	0.00010	0.00010	0.00010	0.00010	0.00010	0.00012	0.000090	0.00011	0.0001	0.00012	0.00012	0.00010	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000018	0.000018	0.000018	0.0000050	0.0000050	0.0000050	0.0000050	0.000012	0.000027	0.000015	0.000015	0.000015	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000038	0.0000050	0.0000050	0.0000050	0.0000050	0.0000042	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000047	0.000047	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00012	0.000093	0.000092	0.00010	0.00012	0.00011	0.00013	0.00013	0.00013	0.00012	0.00013
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00041	0.00062	0.00062	0.00078	0.00060	0.00073	0.00098	0.00056	0.00056	0.00058	0.00098
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0013	0.0020	0.0015	0.0015	0.0015	0.0020
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00079	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00052	0.00070	0.00070	0.00061	0.00079
Ammonia (as N)	1.8	CCME	0.034	0.046	0.034	0.046	0.046	0.046	0.014	0.014	0.021	0.022	0.039	0.030	0.034	0.034	0.034	0.046
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00029	0.00040	0.00040	0.00039	0.00012	0.00012	0.00018	0.00019	0.00034	0.00026	0.00029	0.00029	0.00029	0.00040
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0077	0.0085	0.0085	0.0085	0.00051	0.00050	0.00050	0.00050	0.0053	0.0058	0.0077	0.0077	0.0068	0.0085
Nitrate (as N)	3	CCME	0.034	0.13	0.034	0.13	0.13	0.13	0.0073	0.0073	0.012	0.013	0.015	0.042	0.034	0.034	0.034	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0027	0.0027	0.0027	0.0027	0.00050	0.00050	0.0017	0.0017	0.0020	0.0020	0.0027	0.0027	0.0024	0.0027

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-11: Base Case Operations Water Quality, Chukuni River (CHK-2)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.1	6.6	6.3	5.5	7.4	7.4	7.1	6.3	6.3	6.6	8.0
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.065	0.065	0.066	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.0000098	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.008	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0082	0.0082	0.0061	0.0082
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.00001	0.00001	0.00001	0.000014	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.000016	0.0000094	0.0000093	0.0000100	0.00002
Calcium	-	-	11	12	12	12	12	12	10	10	11	9.1	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00014	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000062	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.009	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000078	0.00000079	0.00000091	0.0000015	0.0000015	0.0000010	0.0000010	0.0000010	0.0000010	0.00000092	0.00000090	0.0000010	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00026	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00094	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000041	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000063	0.0000064	0.0000091	0.0000052	0.0000060	0.0000072	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000077	0.000120	0.000100	0.000091	0.000094	0.000113	0.000114	0.000111	0.000067	0.000067	0.000092	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia (as N)	1.8	CCME	0.035	0.048	0.060	0.073	0.078	0.13	0.074	0.066	0.067	0.086	0.11	0.097	0.058	0.056	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00051	0.00063	0.00068	0.00113	0.00064	0.00057	0.00058	0.00074	0.00092	0.00083	0.00050	0.00048	0.00062	0.00111
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0090	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0035	0.0079	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.073	0.18	0.19	0.28	0.104	0.091	0.086	0.12	0.13	0.15	0.074	0.070	0.11	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0020	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-12: Base Case Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.063	0.063	0.064	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.11	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000095	0.000031	0.000012	0.000012	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0079	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000069	CCME	0.0000072	0.000009	0.0000079	0.0000075	0.0000074	0.0000083	0.0000035	0.0000034	0.0000043	0.0000054	0.0000039	0.000010	0.0000075	0.0000076	0.0000074	0.00001
Calcium	-	-	11	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00043	0.00043	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.00005	0.000053	0.000053	0.00012	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00009	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.012	0.015	0.0091	0.011	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0087	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000089	0.00000074	0.00000074	0.00000081	0.0000014	0.0000014	0.00000089	0.00000089	0.00000091	0.00000091	0.00000088	0.00000087	0.00000089	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00022	0.00025	0.00025	0.00027	0.00019	0.00019	0.00023	0.00019	0.00023	0.00034	0.00021	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00093	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.042	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.87	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.000094	0.00011	0.0001	0.00012	0.00012	0.00011	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000019	0.0000058	0.0000058	0.0000065	0.0000063	0.000012	0.000026	0.000015	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000049	0.000050	0.000050	0.000053	0.000052	0.000051	0.000049	0.000051	0.000049	0.000049	0.000049	0.000050	0.000050	0.000053
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00080	0.00027	0.00027	0.00048	0.00047	0.00042	0.00053	0.00071	0.00071	0.00062	0.00080
Ammonia (as N)	1.8	CCME	0.035	0.048	0.037	0.048	0.047	0.046	0.016	0.016	0.023	0.024	0.040	0.032	0.035	0.035	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00031	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0081	0.0088	0.0088	0.0087	0.00094	0.00096	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.037	0.14	0.14	0.14	0.009	0.009	0.013	0.014	0.017	0.042	0.036	0.036	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0028	0.0028	0.0028	0.0028	0.00061	0.00062	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-13: Base Case Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	3.8	4.2	5.1	5.2	5.2	5.2	4.9	4.5	4.4	4.4	4.7	4.9	5.0	5.1	4.9	5.4
Chloride	120	CCME	1.8	1.9	2.0	2.0	2.0	2.1	2.0	1.8	1.7	1.8	1.9	1.9	1.9	2.0	1.9	2.1
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00028	0.00028	0.00029	0.00029	0.00028	0.00024	0.00023	0.00023	0.00025	0.00026	0.00027	0.00027	0.00027	0.00030
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0055	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000011	0.000011	0.000012	0.000012	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0062	0.0064	0.0065	0.0065	0.0062	0.0056	0.0053	0.0054	0.0056	0.0057	0.0058	0.0060	0.0059	0.0065
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000083	0.0000084	0.0000085	0.0000085	0.0000081	0.0000072	0.0000066	0.0000066	0.0000070	0.0000073	0.0000078	0.0000081	0.0000079	0.0000101
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	12	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00058	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000011	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00022	0.00024	0.00027	0.00027	0.00027	0.00027	0.00026	0.00024	0.00023	0.00024	0.00024	0.00025	0.00026	0.00027	0.00026	0.00027
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.029	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000011	0.000011	0.000012	0.000011	0.000010	0.0000085	0.0000079	0.0000077	0.0000079	0.0000088	0.000010	0.000010	0.000012
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000066	0.0000066	0.0000066	0.0000065	0.0000065	0.0000065	0.0000068	0.0000070	0.0000071	0.0000070	0.0000070	0.0000070	0.0000069	0.0000077
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000084	0.000083	0.000082	0.000080	0.000075	0.000070	0.000070	0.000073	0.000077	0.000081	0.000083	0.000084	0.000079	0.00008
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00046	0.00040	0.00035	0.00034	0.00035	0.00036	0.00037	0.00039	0.00040	0.00047
Ammonia (as N)	1.8	CCME	0.023	0.026	0.057	0.056	0.056	0.055	0.053	0.049	0.047	0.048	0.050	0.053	0.056	0.057	0.053	0.059
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00049	0.00048	0.00048	0.00048	0.00046	0.00042	0.00040	0.00041	0.00043	0.00046	0.00048	0.00049	0.00046	0.00051
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0040	0.0043	0.0046	0.0049	0.0049	0.0041	0.0034	0.0031	0.0029	0.0030	0.0033	0.0037	0.0038	0.0049
Nitrate (as N)	3	CCME	0.024	0.035	0.077	0.076	0.076	0.078	0.081	0.077	0.072	0.071	0.072	0.074	0.077	0.078	0.076	0.084
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0015	0.0016	0.0016	0.0017	0.0017	0.0014	0.0012	0.0011	0.0012	0.0012	0.0013	0.0014	0.0014	0.0017

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

Table 5-14: Base Case Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	WQG PAL [1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Post Closure (Long-term Equilibrium)												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	3.8	4.2	4.0	4.1	4.2	4.3	4.1	3.7	3.6	3.6	3.7	3.8	3.9	3.9	3.9	4.3
Chloride	120	CCME	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8	2.0
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00025	0.00026	0.00026	0.00027	0.00026	0.00022	0.00021	0.00021	0.00022	0.00023	0.00024	0.00024	0.00024	0.00027
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0055	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.00001	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0057	0.0059	0.0060	0.0061	0.0058	0.0052	0.0050	0.0050	0.0052	0.0053	0.0053	0.0055	0.0054	0.0061
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000054	0.0000056	0.0000058	0.0000059	0.0000058	0.0000051	0.0000046	0.0000044	0.0000045	0.0000046	0.0000048	0.0000051	0.0000051	0.0000059
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	11	11	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00057	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.26	0.26	0.26	0.24	0.23	0.23	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00012	0.00013	0.00013	0.00012	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000011	0.0000011	0.0000011	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012
Molybdenum	31	SEQG	0.00022	0.00024	0.00023	0.00024	0.00024	0.00024	0.00023	0.00021	0.00020	0.00020	0.00021	0.00022	0.00022	0.00023	0.00023	0.00024
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.030	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00011	0.00010	0.00011	0.00011	0.00011	0.00010	0.00009	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000010	0.000011	0.000011	0.000011	0.0000095	0.0000081	0.0000075	0.0000073	0.0000074	0.0000082	0.0000092	0.0000093	0.000011
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000053	0.0000054	0.0000054	0.0000054	0.0000050	0.0000046	0.0000046	0.0000047	0.0000049	0.0000050	0.0000051	0.0000053	0.0000051	0.0000054
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000052	0.000053	0.000053	0.000053	0.000051	0.000047	0.000047	0.000048	0.000050	0.000051	0.000052	0.000052	0.000051	0.000053
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012	0.00011	0.00010	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00047	0.00041	0.00036	0.00035	0.00036	0.00037	0.00038	0.00039	0.00040	0.00047
Ammonia (as N)	1.8	CCME	0.023	0.026	0.024	0.025	0.026	0.027	0.026	0.023	0.020	0.019	0.020	0.021	0.022	0.023	0.023	0.027
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00021	0.00021	0.00022	0.00023	0.00023	0.00020	0.00017	0.00017	0.00017	0.00018	0.00019	0.00020	0.00020	0.00023
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0028	0.0032	0.0035	0.0038	0.0039	0.0032	0.0025	0.0020	0.0018	0.0019	0.0021	0.0024	0.0026	0.0039
Nitrate (as N)	3	CCME	0.024	0.035	0.023	0.024	0.026	0.031	0.037	0.034	0.028	0.024	0.022	0.021	0.021	0.022	0.024	0.037
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0014	0.0015	0.0016	0.0017	0.0016	0.0013	0.0011	0.0010	0.0011	0.0012	0.0012	0.0013	0.0013	0.0017

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life.
WQG PAL: Water Quality Guidelines for the Projection of Aquatic Life.
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines.
BC WQG: British Columbia Water Quality Guidelines (fresh water, long-term exposure).
SEQG: Saskatchewan Environmental Quality Guidelines.
1 Where applicable, receiving environment guidelines are here calculated using 25th percentile hardness and pH of baseline monitoring station to be conservative (Table 3-4).
2 Guideline corresponds to Cr(III).
3 The PWQO is for free cyanide.

6 RESULTS, SENSITIVITY ANALYSES

This section presents the results of sensitivity analyses completed relative to the base case (expected case).

As discussed in Section 3.5, the sensitivity analyses undertaken to support the receiver water quality assessment were designed to evaluate a range of plausible future scenarios, including extreme hydrologic conditions (such as extended wet or dry years), potential climate change influences, and variations in baseline water quality inputs. These scenarios provide valuable insight into how the receiving environment may respond under conditions that differ from the expected case.

Evaluating water quality predictions across these sensitivity scenarios enables a more comprehensive understanding of the range of potential of water quality outcomes and supports the evaluation of the robustness and adaptability of the proposed water management strategies.

As described above in Section 4.1, one key variable informing sensitivity cases is changes in required discharge volumes, related to changing inputs in climatic conditions. Specifically, sensitivity analyses were also completed to establish a range of potential treated effluent discharge rates to the Chukuni River, including 1:100 wet and 1:100 dry year cases (WSP 2025c). Results from the 1:100 wet year simulation indicate that discharge requirements increase to 8.80 Mm^3 per year in the operations phase, where an additional 2.53 Mm^3 of surface water is stored onsite following the 1:100 wet year, to be discharged over the next calendar year. Results from the 1:100 dry year simulation indicate that annual discharge to the environment is reduced to 0.06 Mm^3 in the first year of the operations phase.

A summary comparison of sensitivity case results relative to base case is presented in Table 6-1. Receiver water quality model results for the sensitivity cases at key nodes are presented in Appendix H. Results for all modelled nodes show that, while some absolute concentration values change relative to base case under these different assumptions, no predicted concentrations are greater than identified WQG PAL. These results reinforce the effectiveness of the Project's mitigation measures and confirm that the water management system for this stage in the Project is adequate.

Table 6-1: Summary Comparison of Base Case vs. Sensitivity Cases, PAK-OUT Operations Phase

Parameter	Model Baseline Water Quality		Base Case		Extreme Dry		Extreme Wet		Elevated Baseline		Climate Change	
	Median	95th	Median	95th	Median	95th	Median	95th	Median	95th	Median	95th
Sulphate	3.8	4.2	4.9	5.4	4.9	5.5	4.9	5.4	5.6	6.2	4.9	5.4
Chloride	1.8	1.9	1.9	2.1	1.9	2.1	1.9	2.1	2.3	2.4	1.9	2.1
Aluminum	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.20	0.26	0.26	0.19	0.20
Antimony	0.00023	0.00026	0.00027	0.00030	0.00027	0.00030	0.00027	0.00030	0.00033	0.00036	0.00027	0.00030
Arsenic	0.0055	0.0060	0.0055	0.0061	0.0056	0.0061	0.0056	0.0061	0.0069	0.0075	0.0055	0.0061
Beryllium	0.000012	0.000013	0.000012	0.000013	0.000012	0.000013	0.000012	0.000013	0.000011	0.000012	0.000012	0.000013
Boron	0.0054	0.0060	0.0059	0.0065	0.0059	0.0065	0.0059	0.0065	0.0065	0.0071	0.0059	0.0065
Cadmium	0.0000047	0.0000055	0.0000079	0.000010	0.0000079	0.000010	0.000008	0.000010	0.000010	0.000013	0.0000079	0.000010
Calcium	12	12	12	12	12	12	12	12	13	13	12	12
Chromium	0.00054	0.00057	0.00055	0.00058	0.00055	0.00058	0.00055	0.00058	0.00065	0.00074	0.00055	0.00058
Cobalt	0.00013	0.00013	0.00014	0.00015	0.00014	0.00015	0.00014	0.00015	0.00017	0.00018	0.00014	0.00015
Copper	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0014	0.0015	0.0016	0.0017	0.0014	0.0015
Iron	0.26	0.27	0.26	0.27	0.26	0.27	0.26	0.27	0.34	0.39	0.26	0.27
Lead	0.00012	0.00013	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014	0.00014	0.00015	0.00013	0.00013
Magnesium	2.9	3.0	2.9	3.0	2.9	3.0	2.9	3.1	3.1	3.3	2.9	3.0
Manganese	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.015	0.015	0.012	0.013
Mercury	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000016	0.0000017	0.0000013	0.0000013
Molybdenum	0.00022	0.00024	0.00026	0.00027	0.00026	0.00027	0.00026	0.00027	0.00027	0.00029	0.00026	0.00027
Nickel	0.0011	0.0012	0.0011	0.0012	0.0011	0.0012	0.0011	0.0012	0.0014	0.0015	0.0011	0.0012
Phosphorus	0.029	0.031	0.029	0.032	0.029	0.032	0.029	0.032	0.034	0.037	0.029	0.032
Potassium	1.1	1.1	1.1	1.2	1.1	1.2	1.1	1.2	1.2	1.2	1.1	1.2
Selenium	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00013	0.00015	0.00012	0.00012
Silver	0.000009	0.000011	0.000010	0.000012	0.000010	0.000012	0.000010	0.000012	0.000015	0.000017	0.000010	0.000012
Thallium	0.0000051	0.0000054	0.0000069	0.0000077	0.0000069	0.0000077	0.0000069	0.0000077	0.0000070	0.0000077	0.0000069	0.0000077
Tungsten	0.000051	0.000053	0.000079	0.000085	0.000080	0.000085	0.000078	0.000085	0.000080	0.000086	0.000079	0.000085
Uranium	0.00011	0.00012	0.00012	0.00013	0.00012	0.00013	0.00012	0.00013	0.00013	0.00014	0.00012	0.00013
Vanadium	0.00078	0.00081	0.00078	0.00082	0.00079	0.00082	0.00078	0.00082	0.00089	0.00093	0.00078	0.00082
Zinc	0.0016	0.0017	0.0016	0.0017	0.0016	0.0017	0.0016	0.0017	0.0022	0.0026	0.0016	0.0017
Zirconium	0.00039	0.00046	0.00040	0.00047	0.00040	0.00047	0.00040	0.00047	0.00056	0.00067	0.00040	0.00047
Ammonia, Total (as N)	0.023	0.026	0.053	0.059	0.054	0.059	0.053	0.059	0.063	0.070	0.053	0.059
Nitrite (as N)	0.00019	0.00022	0.00046	0.00051	0.00046	0.00051	0.00046	0.00051	0.00054	0.00060	0.00046	0.00051
Nitrate (as N)	0.0026	0.004	0.0038	0.0049	0.0038	0.0049	0.0038	0.0049	0.0081	0.0096	0.0038	0.0049
Cyanide, WAD	0.024	0.035	0.076	0.084	0.076	0.084	0.075	0.082	0.097	0.112	0.076	0.084

Notes:
- no value available.
All units mg/L.
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (Table 3-4).

7 SUMMARY

This Receiver Water Quality Modelling Report:

- Identified the key pathways of interaction through which the Project may affect surface water quality of area watercourses and waterbodies
- Simulated changes in surface water quality, using appropriate modelling methods and robust data sources
- Provides the basis of the surface water quality effects assessment.

The overall Project footprint is approximately 8 km², representing approximately 0.4% of the Chukuni River watershed. The Project has a comprehensive water management strategy including:

- Non-contact water is diverted away from the site.
- Contact water is collected, treated, and reused or discharged.
- Treated effluent will be released to the Chukuni River and will adhere to MDMER and anticipated provincial approval standards.
- Post-closure involves passive discharge once water quality objectives are met.

The Chukuni River, a large high flow system, is the receiving waterbody for treated effluent during construction and operations and for a short period in closure. Treated effluent discharge is predicted to constitute a small fraction of the total flow at the discharge point (node CHK-1). For example, the 1,330 m^3/h design discharge rate for peak conditions represents approximately:

- 1.2% of the Chukuni River annual average flow (108,000 m^3/h)
- 2.6% of the Chukuni River minimum monthly flow (March, 51,898 m^3/h)

Using GoldSim, the mass-balance model simulates monthly water quality changes over for construction, operations and closure phases of the Project. Key model results are:

- Predicted concentrations of all parameters remain below WQG PAL, or consistent with baseline levels for parameters already greater than guidelines (arsenic, phosphorus)
- Conservative assumptions (e.g., no natural attenuation) were used
- A small mixing zone is predicted within the Chukuni River downstream of treated effluent discharges. Under average flow conditions, the mixing zone extends approximately 10 m from the discharge point (Figure 7.7-8). The size of the mixing zone is consistent with the requirements of Policy B-1-5 and has been assessed to ensure that it does not adversely affect existing water users. Water quality modelling indicates that there is no acute lethality within the mixing zone and that all discharges to the Chukuni River will comply with applicable regulatory requirements.
- Sensitivity analyses assessed changes in water quality under extreme hydrologic conditions (e.g., 1:100 wet and dry years), potential climate change impacts, and variations in baseline assumptions. While predicted values for water quality parameters varied by scenario relative to the base case, no additional effects were identified beyond those already captured in the conservative base case.

Appendix A
Baseline Water Quality Source Terms

Table A-1: Baseline Receiver Water Quality Source Terms, Base Case, Chukuni River (CHK-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	2.7	0.034	0.034	0.0078	0.023	6.0	0.0028	0.10	0.00041	0.0082	0.000011	0.0080	0.0000068	11	0.00043	0.00010	0.0016	0.15	0.000091
February	3.2	0.046	0.14	0.0086	0.028	6.1	0.0028	0.058	0.00045	0.0085	0.00001	0.0050	0.0000071	12	0.0005	0.00009	0.0017	0.15	0.000045
March	3.2	0.046	0.14	0.0086	0.028	6.1	0.0028	0.058	0.00045	0.0085	0.00001	0.0050	0.0000071	12	0.0005	0.00009	0.0017	0.15	0.000045
April	3.2	0.046	0.14	0.0086	0.028	6.1	0.0028	0.058	0.00045	0.0085	0.00001	0.0050	0.0000071	12	0.0005	0.00009	0.0017	0.15	0.000045
May	2.5	0.014	0.0072	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.0050	0.0000025	9.9	0.00052	0.00014	0.0015	0.23	0.00012
June	2.5	0.014	0.0072	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.0050	0.0000025	9.9	0.00052	0.00014	0.0015	0.23	0.00012
July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.0070	0.00001	0.0050	0.0000036	10	0.00047	0.00014	0.0015	0.22	0.000098
August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.0050	0.0000046	8.4	0.00029	0.00009	0.0013	0.20	0.000095
September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000093	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16	0.00021
October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31	0.00015
November	2.7	0.034	0.034	0.0078	0.023	6.0	0.0028	0.10	0.00041	0.0082	0.000011	0.0080	0.0000068	11	0.00043	0.00010	0.0016	0.15	0.000091
December	2.7	0.034	0.034	0.0078	0.023	6.0	0.0028	0.10	0.00041	0.0082	0.000011	0.0080	0.0000068	11	0.00043	0.00010	0.0016	0.15	0.000091

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.0000050	0.000050	0.00013	0.00056	0.0015	0.00070
February	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.000050	0.00012	0.00041	0.0020	0.00079
March	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.000050	0.00012	0.00041	0.0020	0.00079
April	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.000050	0.00012	0.00041	0.0020	0.00079
May	2.6	0.010	0.0000013	0.00018	0.0014	0.99	0.000099	0.0000050	0.0000050	0.000050	0.000092	0.00062	0.0015	0.00023
June	2.6	0.010	0.0000013	0.00018	0.0014	0.99	0.000099	0.0000050	0.0000050	0.000050	0.000092	0.00062	0.0015	0.00023
July	2.7	0.012	0.00000078	0.00022	0.0013	0.98	0.00012	0.0000050	0.0000050	0.000050	0.00010	0.00078	0.0015	0.00044
August	2.2	0.012	0.00000078	0.00017	0.00094	0.84	0.000090	0.0000050	0.0000050	0.000050	0.00012	0.00060	0.0015	0.00044
September	2.5	0.012	0.00000081	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.00040
October	2.9	0.012	0.00000081	0.00033	0.0017	1.1	0.0017	0.000027	0.0000070	0.000047	0.00013	0.00098	0.0020	0.00052
November	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.0000050	0.000050	0.00013	0.00056	0.0015	0.00070
December	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.0000050	0.000050	0.00013	0.00056	0.0015	0.00070

Table A-2: Baseline Receiver Water Quality Source Terms, Base Case, Chukuni River (CHK-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	2.3	0.032	0.020	0.0078	0.028	4.2	0.0028	0.23	0.00037	0.0069	0.000015	0.0065	0.0000091	12	0.00053	0.00018	0.0015	0.35	0.00021
February	3.7	0.23	0.15	0.015	0.030	4.7	0.005	0.093	0.00045	0.009	0.0000068	0.0072	0.000016	12	0.0011	0.000098	0.020	0.17	0.00011
March	3.7	0.23	0.15	0.015	0.030	4.7	0.005	0.093	0.00045	0.009	0.0000068	0.0072	0.000016	12	0.0011	0.000098	0.020	0.17	0.00011
April	3.7	0.23	0.15	0.015	0.030	4.7	0.005	0.093	0.00045	0.009	0.0000068	0.0072	0.000016	12	0.0011	0.000098	0.020	0.17	0.00011
May	2.4	0.017	0.019	0.0005	0.021	4.9	0.0005	0.25	0.00026	0.0054	0.000010	0.0050	0.0000059	10	0.00059	0.00016	0.0015	0.32	0.00013
June	2.4	0.017	0.019	0.0005	0.021	4.9	0.0005	0.25	0.00026	0.0054	0.000010	0.0050	0.0000059	10	0.00059	0.00016	0.0015	0.32	0.00013
July	2.8	0.032	0.016	0.0078	0.029	5.2	0.0005	0.16	0.00037	0.0067	0.0000095	0.0065	0.0000053	11	0.00059	0.00013	0.0015	0.20	0.00010
August	2.6	0.029	0.0088	0.0078	0.025	5.2	0.0005	0.14	0.00037	0.011	0.0000068	0.0065	0.0000025	11	0.00038	0.00012	0.0014	0.17	0.000099
September	2.4	0.039	0.013	0.0053	0.021	5.1	0.002	0.12	0.00035	0.011	0.0000093	0.0053	0.0000030	11	0.00032	0.000092	0.0013	0.15	0.000064
October	2.6	0.022	0.030	0.0078	0.021	5.3	0.0005	0.21	0.00039	0.0091	0.00001	0.006	0.0000054	12	0.00064	0.00019	0.0017	0.26	0.00015
November	2.3	0.032	0.020	0.0078	0.028	4.2	0.0028	0.23	0.00037	0.0069	0.000015	0.0065	0.0000091	12	0.00053	0.00018	0.0015	0.35	0.00021
December	2.3	0.032	0.020	0.0078	0.028	4.2	0.0028	0.23	0.00037	0.0069	0.000015	0.0065	0.0000091	12	0.00053	0.00018	0.0015	0.35	0.00021

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.1	0.015	0.0000011	0.00025	0.0013	1.1	0.000092	0.000015	0.0000050	0.000050	0.00015	0.00089	0.0013	0.00067
February	3.1	0.0090	0.0000011	0.00026	0.0015	1.3	0.00011	0.000025	0.0000025	0.000037	0.00013	0.00048	0.0093	0.0010
March	3.1	0.0090	0.0000011	0.00026	0.0015	1.3	0.00011	0.000025	0.0000025	0.000037	0.00013	0.00048	0.0093	0.0010
April	3.1	0.0090	0.0000011	0.00026	0.0015	1.3	0.00011	0.000025	0.0000025	0.000037	0.00013	0.00048	0.0093	0.0010
May	2.8	0.013	0.0000011	0.00020	0.0014	1.0	0.00011	0.000005	0.0000050	0.000050	0.00011	0.00086	0.0015	0.00030
June	2.8	0.013	0.0000011	0.00020	0.0014	1.0	0.00011	0.000005	0.0000050	0.000050	0.00011	0.00086	0.0015	0.00030
July	2.7	0.012	0.0000011	0.00020	0.0013	1.0	0.000099	0.000015	0.0000050	0.000050	0.000094	0.00087	0.0015	0.00063
August	3.0	0.014	0.0000011	0.00025	0.0012	1.0	0.0001	0.000015	0.0000050	0.000040	0.00012	0.00074	0.0013	0.00062
September	2.6	0.011	0.0000011	0.00027	0.0012	0.98	0.00011	0.000012	0.0000042	0.00026	0.00010	0.00072	0.0013	0.00045
October	2.9	0.012	0.0000011	0.00027	0.0016	1.1	0.00011	0.000015	0.0000050	0.000045	0.00012	0.00086	0.0015	0.00069
November	3.1	0.015	0.0000011	0.00025	0.0013	1.1	0.000092	0.000015	0.0000050	0.000050	0.00015	0.00089	0.0013	0.00067
December	3.1	0.015	0.0000011	0.00025	0.0013	1.1	0.000092	0.000015	0.0000050	0.000050	0.00015	0.00089	0.0013	0.00067

Table A-3: Baseline Receiver Water Quality Source Terms, Base Case, Dixie Lake (DIX-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.3	0.050	0.073	0.015	0.039	1.0	0.005	0.14	0.00045	0.0018	0.000025	0.0063	0.000022	12	0.00045	0.00015	0.0012	0.49	0.00018
February	0.52	0.050	0.22	0.015	0.025	1.0	0.005	0.11	0.00045	0.0023	0.000012	0.0060	0.000006	15	0.00065	0.00016	0.0011	0.50	0.00017
March	0.52	0.050	0.22	0.015	0.025	1.0	0.005	0.11	0.00045	0.0023	0.000012	0.0060	0.000006	15	0.00065	0.00016	0.0011	0.50	0.00017
April	0.52	0.050	0.22	0.015	0.025	1.0	0.005	0.11	0.00045	0.0023	0.000012	0.0060	0.000006	15	0.00065	0.00016	0.0011	0.50	0.00017
May	0.37	0.028	0.021	0.0078	0.039	0.85	0.0022	0.21	0.00025	0.0017	0.000011	0.0055	0.0000045	9.5	0.00056	0.00013	0.0011	0.51	0.00018
June	0.37	0.028	0.021	0.0078	0.039	0.85	0.0022	0.21	0.00025	0.0017	0.000011	0.0055	0.0000045	9.5	0.00056	0.00013	0.0011	0.51	0.00018
July	0.50	0.050	0.03	0.015	0.019	1.0	0.0022	0.16	0.00045	0.0033	0.000013	0.0060	0.000009	11	0.00074	0.00019	0.0010	0.60	0.00022
August	0.50	0.050	0.03	0.015	0.019	1.0	0.005	0.16	0.00045	0.0033	0.000013	0.0060	0.000009	11	0.00074	0.00019	0.0010	0.60	0.00022
September	0.50	0.050	0.059	0.0078	0.031	0.92	0.005	0.12	0.00025	0.002	0.00001	0.0055	0.000002	9.8	0.00042	0.00013	0.00082	0.41	0.00013
October	0.50	0.050	0.059	0.0078	0.031	0.92	0.005	0.12	0.00025	0.002	0.00001	0.0055	0.000002	9.8	0.00042	0.00013	0.00082	0.41	0.00013
November	1.3	0.050	0.073	0.015	0.039	1.0	0.005	0.14	0.00045	0.0018	0.000025	0.0063	0.000022	12	0.00045	0.00015	0.0012	0.49	0.00018
December	1.3	0.050	0.073	0.015	0.039	1.0	0.005	0.14	0.00045	0.0018	0.000025	0.0063	0.000022	12	0.00045	0.00015	0.0012	0.49	0.00018

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.2	0.021	0.0000014	0.00024	0.0009	1.2	0.000057	0.000025	0.0000036	0.00001	0.00024	0.00084	0.0010	0.0010
February	4.3	0.048	0.0000014	0.00025	0.0007	1.3	0.00015	0.000025	0.0000036	0.00002	0.00020	0.00077	0.0020	0.0010
March	4.3	0.048	0.0000014	0.00025	0.0007	1.3	0.00015	0.000025	0.0000036	0.00002	0.00020	0.00077	0.0020	0.0010
April	4.3	0.048	0.0000014	0.00025	0.0007	1.3	0.00015	0.000025	0.0000036	0.00002	0.00020	0.00077	0.0020	0.0010
May	3.0	0.020	0.0000014	0.00017	0.00068	1.0	0.00011	0.000015	0.000005	0.00003	0.00022	0.00098	0.0015	0.00065
June	3.0	0.020	0.0000014	0.00017	0.00068	1.0	0.00011	0.000015	0.000005	0.00003	0.00022	0.00098	0.0015	0.00065
July	3.5	0.049	0.0000014	0.00026	0.0008	1.0	0.00011	0.000025	0.0000033	0.00001	0.00016	0.00083	0.0020	0.0010
August	3.5	0.049	0.0000014	0.00026	0.0008	1.0	0.00011	0.000025	0.0000033	0.00001	0.00016	0.00083	0.0020	0.0010
September	2.9	0.017	0.0000014	0.00023	0.0007	0.92	0.000076	0.000015	0.0000057	0.00003	0.00019	0.00075	0.0013	0.00064
October	2.9	0.017	0.0000014	0.00023	0.0007	0.92	0.000076	0.000015	0.0000057	0.00003	0.00019	0.00075	0.0013	0.00064
November	3.2	0.021	0.0000014	0.00024	0.0009	1.2	0.000057	0.000025	0.0000036	0.00001	0.00024	0.00084	0.0010	0.0010
December	3.2	0.021	0.0000014	0.00024	0.0009	1.2	0.000057	0.000025	0.0000036	0.00001	0.00024	0.00084	0.0010	0.0010

Table A-4: Baseline Receiver Water Quality Source Terms, Base Case, Dixie Creek (DIX-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.89	0.076	0.11	0.0027	0.032	1.0	0.0005	0.26	0.00015	0.0018	0.000021	0.0050	0.0000054	15	0.00090	0.00018	0.0012	0.75	0.00023
February	0.89	0.076	0.11	0.0027	0.032	1.0	0.0005	0.26	0.00015	0.0018	0.000021	0.0050	0.0000054	15	0.00090	0.00018	0.0012	0.75	0.00023
March	1.0	0.035	0.18	0.0047	0.038	1.0	0.0005	0.31	0.00005	0.0024	0.000021	0.0050	0.0000076	16	0.00082	0.00034	0.0013	1.1	0.00024
April	1.0	0.035	0.18	0.0047	0.038	1.0	0.0005	0.31	0.00005	0.0024	0.000021	0.0050	0.0000076	16	0.00082	0.00034	0.0013	1.1	0.00024
May	0.80	0.025	0.14	0.0028	0.034	1.0	0.0017	0.49	0.00012	0.0019	0.000016	0.0060	0.000011	14	0.00096	0.00022	0.0017	0.64	0.00018
June	0.82	0.036	0.028	0.0021	0.031	0.94	0.0032	0.30	0.00018	0.0022	0.000022	0.011	0.0000073	11	0.00071	0.00023	0.0012	0.70	0.00014
July	0.84	0.048	0.051	0.0060	0.049	1.1	0.0014	0.27	0.00005	0.0031	0.000017	0.0050	0.0000043	29	0.00062	0.00028	0.0012	0.63	0.00014
August	0.50	0.050	0.030	0.015	0.050	1.0	0.0018	0.31	0.00013	0.0035	0.000023	0.0050	0.000009	20	0.0010	0.00031	0.0016	0.91	0.0003
September	1.4	0.044	0.030	0.0091	0.034	1.0	0.0031	0.24	0.00028	0.0022	0.000015	0.0050	0.000005	33	0.00075	0.00021	0.0012	0.69	0.00018
October	0.50	0.050	0.030	0.0086	0.031	1.0	0.0008	0.24	0.00025	0.0019	0.00001	0.0055	0.000005	25	0.00074	0.00018	0.0009	0.60	0.00014
November	0.50	0.040	0.049	0.0010	0.027	1.0	0.005	0.29	0.00005	0.0017	0.00001	0.0050	0.0000052	13	0.00076	0.00022	0.0013	0.60	0.00017
December	0.50	0.030	0.10	0.0017	0.027	1.5	0.0005	0.25	0.000075	0.0015	0.00001	0.0050	0.0000038	24	0.00055	0.00019	0.00092	0.54	0.00019

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.1	0.040	0.0000014	0.00027	0.0009	1.3	0.00015	0.000005	0.000005	0.00005	0.00031	0.0012	0.0015	0.00034
February	4.1	0.040	0.0000014	0.00027	0.0009	1.3	0.00015	0.000005	0.000005	0.00005	0.00031	0.0012	0.0015	0.00034
March	4.7	0.11	0.0000014	0.00028	0.001	1.4	0.00014	0.000016	0.000005	0.00005	0.00027	0.0012	0.0040	0.00046
April	4.7	0.11	0.0000014	0.00028	0.001	1.4	0.00014	0.000016	0.000005	0.00005	0.00027	0.0012	0.0040	0.00046
May	3.9	0.027	0.0000061	0.00028	0.0013	1.6	0.00015	0.000012	0.000005	0.00005	0.00029	0.0018	0.0023	0.00092
June	3.3	0.048	0.0000061	0.00023	0.00097	1.1	0.00011	0.000008	0.000005	0.00005	0.00023	0.0014	0.0018	0.00077
July	7.7	0.090	0.0000028	0.00059	0.00096	2.0	0.00011	0.000015	0.000007	0.0001	0.00077	0.0015	0.0015	0.00044
August	5.5	0.059	0.0000028	0.00035	0.0011	1.3	0.00011	0.000025	0.000005	0.00014	0.00026	0.0014	0.0015	0.00071
September	7.3	0.036	0.0000014	0.00062	0.00095	2.1	0.000099	0.000025	0.000005	0.00009	0.00075	0.0012	0.0023	0.00075
October	5.5	0.023	0.0000014	0.00034	0.00077	1.8	0.000061	0.000025	0.000005	0.000045	0.00029	0.0011	0.0015	0.00076
November	3.6	0.026	0.0000014	0.00023	0.0008	1.3	0.0001	0.000025	0.000005	0.00005	0.00029	0.0012	0.0015	0.00043
December	5.7	0.028	0.0000014	0.00047	0.00067	1.7	0.00013	0.000015	0.000005	0.00005	0.00088	0.0011	0.0015	0.0003

Table A-5: Baseline Receiver Water Quality Source Terms, Base Case, Dixie Creek (DIX-3)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.80	0.17	0.13	0.0071	0.033	1.5	0.0005	0.33	0.0001	0.0017	0.000021	0.005	0.000025	19	0.00086	0.00023	0.0012	0.68	0.00024
February	0.80	0.17	0.13	0.0071	0.033	1.5	0.0005	0.33	0.0001	0.0017	0.000021	0.005	0.000025	19	0.00086	0.00023	0.0012	0.68	0.00024
March	2.7	0.050	0.21	0.0099	0.045	1.1	0.0005	0.39	0.0001	0.0022	0.000021	0.005	0.000011	16	0.0011	0.00032	0.0015	1.1	0.00025
April	2.7	0.050	0.21	0.0099	0.045	1.1	0.0005	0.39	0.0001	0.0022	0.000021	0.005	0.000011	16	0.0011	0.00032	0.0015	1.1	0.00025
May	0.33	0.045	0.017	0.0005	0.034	0.90	0.0012	0.37	0.00005	0.0020	0.00001	0.005	0.0000054	10	0.00098	0.00022	0.0011	0.75	0.00019
June	0.33	0.045	0.017	0.0005	0.034	0.90	0.0012	0.37	0.00005	0.0020	0.00001	0.005	0.0000054	10	0.00098	0.00022	0.0011	0.75	0.00019
July	1.3	0.050	0.03	0.015	0.035	1.0	0.0050	0.57	0.0003	0.0023	0.000025	0.0055	0.0000091	9.9	0.0013	0.00033	0.0016	0.91	0.00028
August	0.95	0.043	0.021	0.0005	0.046	1.4	0.0021	0.30	0.00005	0.0034	0.000016	0.005	0.0000075	10	0.00066	0.00026	0.0014	0.74	0.00025
September	0.50	0.050	0.03	0.011	0.044	1.0	0.0013	0.32	0.00005	0.0035	0.000022	0.007	0.0000085	13	0.00089	0.00025	0.0014	0.81	0.00022
October	0.89	0.043	0.07	0.0089	0.041	1.0	0.0030	0.52	0.00032	0.0031	0.000024	0.006	0.0000054	21	0.0011	0.0003	0.0013	0.92	0.00028
November	0.50	0.033	0.068	0.014	0.041	0.83	0.0050	0.49	0.00013	0.0028	0.000021	0.005	0.0000075	12	0.00077	0.00021	0.0013	0.71	0.0002
December	0.50	0.023	0.057	0.0011	0.032	0.94	0.0005	0.22	0.00005	0.0019	0.00001	0.005	0.0000062	11	0.00055	0.00018	0.001	0.51	0.00015

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.046	0.0000024	0.00036	0.00086	1.5	0.00068	0.000011	0.000005	0.00005	0.00059	0.0014	0.0023	0.00059
February	4.9	0.046	0.0000024	0.00036	0.00086	1.5	0.00068	0.000011	0.000005	0.00005	0.00059	0.0014	0.0023	0.00059
March	4.7	0.064	0.0000024	0.00027	0.0012	1.4	0.00011	0.000011	0.000005	0.00005	0.00032	0.0014	0.0023	0.00071
April	4.7	0.064	0.0000024	0.00027	0.0012	1.4	0.00011	0.000011	0.000005	0.00005	0.00032	0.0014	0.0023	0.00071
May	3.4	0.028	0.0000039	0.0002	0.0009	1.1	0.00011	0.000005	0.000005	0.00005	0.00023	0.0014	0.0015	0.00051
June	3.4	0.028	0.0000039	0.0002	0.0009	1.1	0.00011	0.000005	0.000005	0.00005	0.00023	0.0014	0.0015	0.00051
July	3.1	0.058	0.0000038	0.00021	0.0013	1.1	0.00012	0.000025	0.000011	0.00005	0.00022	0.0018	0.0034	0.0010
August	4.1	0.082	0.0000033	0.00028	0.0011	1.4	0.00012	0.0000085	0.000005	0.00010	0.00038	0.0018	0.0015	0.00046
September	3.6	0.051	0.0000026	0.00033	0.0012	1.1	0.00014	0.0000078	0.000005	0.00013	0.00024	0.0014	0.0015	0.00065
October	5.8	0.061	0.0000023	0.00048	0.0012	1.5	0.00012	0.000015	0.0000075	0.00017	0.00048	0.0017	0.0015	0.00087
November	3.6	0.023	0.0000028	0.00027	0.0011	1.0	0.00012	0.000025	0.000009	0.00007	0.00036	0.0014	0.0015	0.0010
December	3.5	0.019	0.0000014	0.00023	0.00071	1.1	0.0001	0.000005	0.000005	0.000075	0.00028	0.0011	0.0015	0.00030

Table A-6: Baseline Receiver Water Quality Source Terms, Base Case, Dixie Creek (DIX-4)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.80	0.17	0.13	0.0071	0.033	1.5	0.0005	0.33	0.0001	0.0017	0.000021	0.005	0.000025	19	0.00086	0.00023	0.0012	0.68	0.00024
February	0.80	0.17	0.13	0.0071	0.033	1.5	0.0005	0.33	0.0001	0.0017	0.000021	0.005	0.000025	19	0.00086	0.00023	0.0012	0.68	0.00024
March	2.7	0.050	0.21	0.0099	0.045	1.1	0.0005	0.39	0.0001	0.0022	0.000021	0.005	0.000011	16	0.0011	0.00032	0.0015	1.1	0.00025
April	2.7	0.050	0.21	0.0099	0.045	1.1	0.0005	0.39	0.0001	0.0022	0.000021	0.005	0.000011	16	0.0011	0.00032	0.0015	1.1	0.00025
May	0.33	0.045	0.017	0.0005	0.034	0.90	0.0012	0.37	0.00005	0.0020	0.00001	0.005	0.0000054	10	0.00098	0.00022	0.0011	0.75	0.00019
June	0.33	0.045	0.017	0.0005	0.034	0.90	0.0012	0.37	0.00005	0.0020	0.00001	0.005	0.0000054	10	0.00098	0.00022	0.0011	0.75	0.00019
July	1.3	0.050	0.03	0.015	0.035	1.0	0.0050	0.57	0.0003	0.0023	0.000025	0.0055	0.0000091	9.9	0.0013	0.00033	0.0016	0.91	0.00028
August	0.95	0.043	0.021	0.0005	0.046	1.4	0.0021	0.30	0.00005	0.0034	0.000016	0.005	0.0000075	10	0.00066	0.00026	0.0014	0.74	0.00025
September	0.50	0.050	0.03	0.011	0.044	1.0	0.0013	0.32	0.00005	0.0035	0.000022	0.007	0.0000085	13	0.00089	0.00025	0.0014	0.81	0.00022
October	0.89	0.043	0.07	0.0089	0.041	1.0	0.0030	0.52	0.00032	0.0031	0.000024	0.006	0.0000054	21	0.0011	0.0003	0.0013	0.92	0.00028
November	0.50	0.033	0.068	0.014	0.041	0.83	0.0050	0.49	0.00013	0.0028	0.000021	0.005	0.0000075	12	0.00077	0.00021	0.0013	0.71	0.0002
December	0.50	0.023	0.057	0.0011	0.032	0.94	0.0005	0.22	0.00005	0.0019	0.00001	0.005	0.0000062	11	0.00055	0.00018	0.001	0.51	0.00015

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.046	0.0000024	0.00036	0.00086	1.5	0.00068	0.000011	0.000005	0.00005	0.00059	0.0014	0.0023	0.00059
February	4.9	0.046	0.0000024	0.00036	0.00086	1.5	0.00068	0.000011	0.000005	0.00005	0.00059	0.0014	0.0023	0.00059
March	4.7	0.064	0.0000024	0.00027	0.0012	1.4	0.00011	0.000011	0.000005	0.00005	0.00032	0.0014	0.0023	0.00071
April	4.7	0.064	0.0000024	0.00027	0.0012	1.4	0.00011	0.000011	0.000005	0.00005	0.00032	0.0014	0.0023	0.00071
May	3.4	0.028	0.0000039	0.0002	0.0009	1.1	0.00011	0.000005	0.000005	0.00005	0.00023	0.0014	0.0015	0.00051
June	3.4	0.028	0.0000039	0.0002	0.0009	1.1	0.00011	0.000005	0.000005	0.00005	0.00023	0.0014	0.0015	0.00051
July	3.1	0.058	0.0000038	0.00021	0.0013	1.1	0.00012	0.000025	0.000011	0.00005	0.00022	0.0018	0.0034	0.0010
August	4.1	0.082	0.0000033	0.00028	0.0011	1.4	0.00012	0.0000085	0.000005	0.00010	0.00038	0.0018	0.0015	0.00046
September	3.6	0.051	0.0000026	0.00033	0.0012	1.1	0.00014	0.0000078	0.000005	0.00013	0.00024	0.0014	0.0015	0.00065
October	5.8	0.061	0.0000023	0.00048	0.0012	1.5	0.00012	0.000015	0.0000075	0.00017	0.00048	0.0017	0.0015	0.00087
November	3.6	0.023	0.0000028	0.00027	0.0011	1.0	0.00012	0.000025	0.000009	0.00007	0.00036	0.0014	0.0015	0.0010
December	3.5	0.019	0.0000014	0.00023	0.00071	1.1	0.0001	0.000005	0.000005	0.000075	0.00028	0.0011	0.0015	0.00030

Table A-7: Baseline Receiver Water Quality Source Terms, Base Case, Dixie Creek (DIX-5)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.2	0.05	0.067	0.050	0.022	1.0	0.005	0.21	0.00045	0.0019	0.000039	0.0072	0.000012	18	0.00084	0.00019	0.0014	0.56	0.00024
February	2.0	0.05	0.19	0.015	0.027	1.0	0.005	0.28	0.00045	0.0024	0.000020	0.0070	0.0000056	20	0.0012	0.00027	0.0011	1.0	0.0002
March	2.0	0.05	0.19	0.015	0.027	1.0	0.005	0.28	0.00045	0.0024	0.000020	0.0070	0.0000056	20	0.0012	0.00027	0.0011	1.0	0.0002
April	2.0	0.05	0.19	0.015	0.027	1.0	0.005	0.28	0.00045	0.0024	0.000020	0.0070	0.0000056	20	0.0012	0.00027	0.0011	1.0	0.0002
May	0.84	0.05	0.03	0.0008	0.032	1.0	0.0029	0.31	0.00011	0.0022	0.000018	0.0050	0.000006	12	0.00091	0.00023	0.0013	0.65	0.00016
June	0.84	0.05	0.03	0.0008	0.032	1.0	0.0029	0.31	0.00011	0.0022	0.000018	0.0050	0.000006	12	0.00091	0.00023	0.0013	0.65	0.00016
July	0.97	0.05	0.024	0.042	0.047	1.0	0.0033	0.50	0.00032	0.0036	0.000022	0.0073	0.0000075	17	0.0011	0.00034	0.0014	0.89	0.00026
August	0.61	0.046	0.023	0.0094	0.036	1.0	0.0033	0.39	0.00025	0.0032	0.000018	0.0050	0.0000098	17	0.0011	0.00028	0.0014	0.75	0.00026
September	1.0	0.05	0.03	0.015	0.021	1.0	0.005	0.22	0.00045	0.0025	0.000017	0.0080	0.000004	20	0.00079	0.00019	0.00093	0.50	0.00018
October	1.0	0.05	0.03	0.015	0.021	1.0	0.005	0.22	0.00045	0.0025	0.000017	0.0080	0.000004	20	0.00079	0.00019	0.00093	0.50	0.00018
November	1.2	0.05	0.067	0.050	0.022	1.0	0.005	0.21	0.00045	0.0019	0.000039	0.0072	0.000012	18	0.00084	0.00019	0.0014	0.56	0.00024
December	1.2	0.05	0.067	0.050	0.022	1.0	0.005	0.21	0.00045	0.0019	0.000039	0.0072	0.000012	18	0.00084	0.00019	0.0014	0.56	0.00024

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.7	0.030	0.0000029	0.00042	0.00087	1.6	0.00012	0.000025	0.0000052	0.000057	0.00035	0.00091	0.0017	0.0010
February	5.6	0.099	0.0000029	0.00043	0.00090	1.9	0.000055	0.000025	0.0000025	0.000025	0.00023	0.0012	0.0035	0.0010
March	5.6	0.099	0.0000029	0.00043	0.00090	1.9	0.000055	0.000025	0.0000025	0.000025	0.00023	0.0012	0.0035	0.0010
April	5.6	0.099	0.0000029	0.00043	0.00090	1.9	0.000055	0.000025	0.0000025	0.000025	0.00023	0.0012	0.0035	0.0010
May	3.9	0.030	0.0000029	0.00032	0.0010	1.3	0.00013	0.000005	0.000005	0.00005	0.00017	0.0013	0.0015	0.00068
June	3.9	0.030	0.0000029	0.00032	0.0010	1.3	0.00013	0.000005	0.000005	0.00005	0.00017	0.0013	0.0015	0.00068
July	4.8	0.061	0.0000029	0.00051	0.0010	1.4	0.00012	0.000018	0.000005	0.000073	0.00029	0.0017	0.0038	0.00082
August	5.1	0.056	0.0000029	0.00063	0.0014	1.2	0.00014	0.000018	0.000005	0.00005	0.0002	0.0015	0.0023	0.0010
September	6.0	0.033	0.0000029	0.00059	0.00090	1.4	0.00008	0.000025	0.0000025	0.00005	0.00023	0.00099	0.002	0.0010
October	6.0	0.033	0.0000029	0.00059	0.00090	1.4	0.00008	0.000025	0.0000025	0.00005	0.00023	0.00099	0.002	0.0010
November	4.7	0.030	0.0000029	0.00042	0.00087	1.6	0.00012	0.000025	0.0000052	0.000057	0.00035	0.00091	0.0017	0.0010
December	4.7	0.030	0.0000029	0.00042	0.00087	1.6	0.00012	0.000025	0.0000052	0.000057	0.00035	0.00091	0.0017	0.0010

Table A-8: Baseline Receiver Water Quality Source Terms, Base Case, Genessee Lake (GEN-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
February	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
March	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
April	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
May	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
June	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
July	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
August	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
September	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
October	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
November	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
December	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
February	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
March	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
April	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
May	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
June	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
July	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
August	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
September	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
October	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
November	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
December	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001

Table A-9: Baseline Receiver Water Quality Source Terms, Base Case, Genessee Lake (GEN-L)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
February	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
March	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
April	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
May	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
June	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
July	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
August	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
September	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
October	0.19	0.018	0.0025	0.0005	0.016	0.63	0.0005	0.010	0.00005	0.0019	0.00001	0.005	0.0000025	9.3	0.00024	0.00005	0.00025	0.14	0.000025
November	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025
December	0.28	0.018	0.013	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.0020	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.18	0.000025

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
February	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
March	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
April	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
May	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
June	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
July	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
August	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
September	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
October	2.2	0.014	0.00000054	0.00011	0.00025	0.69	0.000068	0.000005	0.000005	0.00005	0.000038	0.00025	0.0015	0.0001
November	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001
December	2.3	0.010	0.00000056	0.00011	0.00025	0.76	0.000080	0.000005	0.000005	0.00005	0.00004	0.00025	0.0015	0.0001

Table A-10: Baseline Receiver Water Quality Source Terms, Base Case, Pakwash Lake (PAK-IN)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
February	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
March	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
April	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
May	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
June	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
July	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
August	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
September	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
October	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
November	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001
December	2.6	0.013	0.0095	0.0005	0.022	5.0	0.0005	0.14	0.00027	0.0083	0.00001	0.005	0.0000039	12	0.00051	0.00013	0.0015	0.24	0.0001

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
February	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
March	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
April	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
May	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
June	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
July	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
August	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
September	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
October	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
November	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022
December	3.1	0.013	0.000001	0.00022	0.0014	1.0	0.000096	0.000005	0.000005	0.00005	0.00012	0.00076	0.0015	0.00022

Table A-11: Baseline Receiver Water Quality Source Terms, Base Case, Pakwash Lake (PAK-L)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
February	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
March	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
April	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
May	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
June	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
July	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
August	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
September	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
October	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
November	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012
December	0.58	0.013	0.014	0.0005	0.027	2.0	0.0005	0.24	0.00005	0.0018	0.00001	0.005	0.0000041	13	0.00058	0.00012	0.0013	0.29	0.00012

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
February	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
March	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
April	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
May	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
June	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
July	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
August	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
September	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
October	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
November	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024
December	3.0	0.012	0.0000014	0.00021	0.00071	1.1	0.000087	0.000005	0.000005	0.00005	0.0001	0.00089	0.0015	0.00024

Table A-12: Baseline Receiver Water Quality Source Terms, Base Case, Pakwash Lake (PAK-OUT)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
February	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
March	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
April	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
May	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
June	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
July	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
August	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
September	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
October	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
November	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054
December	1.5	0.0075	0.014	0.0005	0.019	3.3	0.0005	0.12	0.00018	0.0043	0.00001	0.005	0.0000025	12	0.00025	0.00005	0.0013	0.12	0.000054

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
February	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
March	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
April	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
May	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
June	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
July	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
August	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
September	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
October	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
November	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001
December	2.9	0.0082	0.00000088	0.00023	0.00092	1.0	0.000094	0.000005	0.000005	0.00005	0.000095	0.00054	0.0015	0.0001

Table A-13: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.89	0.076	0.11	0.0027	0.032	1.0	0.0005	0.26	0.00015	0.0018	0.000021	0.005	0.0000054	15	0.0009	0.00018	0.0012	0.75	0.00023
February	0.89	0.076	0.11	0.0027	0.032	1.0	0.0005	0.26	0.00015	0.0018	0.000021	0.005	0.0000054	15	0.0009	0.00018	0.0012	0.75	0.00023
March	1.0	0.035	0.18	0.0047	0.038	1.0	0.0005	0.31	0.00005	0.0024	0.000021	0.005	0.0000076	16	0.00082	0.00034	0.0013	1.1	0.00024
April	1.0	0.035	0.18	0.0047	0.038	1.0	0.0005	0.31	0.00005	0.0024	0.000021	0.005	0.0000076	16	0.00082	0.00034	0.0013	1.1	0.00024
May	0.80	0.025	0.14	0.0028	0.034	1.0	0.0017	0.49	0.00012	0.0019	0.000016	0.006	0.000011	14	0.00096	0.00022	0.0017	0.64	0.00018
June	0.82	0.036	0.028	0.0021	0.031	0.94	0.0032	0.30	0.00018	0.0022	0.000022	0.011	0.0000073	11	0.00071	0.00023	0.0012	0.7	0.00014
July	0.84	0.048	0.051	0.0060	0.049	1.1	0.0014	0.27	0.00005	0.0031	0.000017	0.005	0.0000043	29	0.00062	0.00028	0.0012	0.63	0.00014
August	0.50	0.050	0.030	0.015	0.050	1.0	0.0018	0.31	0.00013	0.0035	0.000023	0.005	0.000009	20	0.001	0.00031	0.0016	0.91	0.0003
September	1.4	0.044	0.030	0.0091	0.034	1.0	0.0031	0.24	0.00028	0.0022	0.000015	0.005	0.000005	33	0.00075	0.00021	0.0012	0.69	0.00018
October	0.50	0.050	0.030	0.0086	0.031	1.0	0.0008	0.24	0.00025	0.0019	0.00001	0.0055	0.000005	25	0.00074	0.00018	0.0009	0.60	0.00014
November	0.50	0.040	0.049	0.0010	0.027	1.0	0.005	0.29	0.00005	0.0017	0.00001	0.005	0.0000052	13	0.00076	0.00022	0.0013	0.60	0.00017
December	0.50	0.030	0.10	0.0017	0.027	1.5	0.0005	0.25	0.000075	0.0015	0.00001	0.005	0.0000038	24	0.00055	0.00019	0.00092	0.54	0.00019

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.1	0.040	0.0000014	0.00027	0.0009	1.3	0.00015	0.000005	0.000005	0.00005	0.00031	0.0012	0.0015	0.00034
February	4.1	0.040	0.0000014	0.00027	0.0009	1.3	0.00015	0.000005	0.000005	0.00005	0.00031	0.0012	0.0015	0.00034
March	4.7	0.11	0.0000014	0.00028	0.001	1.4	0.00014	0.000016	0.000005	0.00005	0.00027	0.0012	0.0040	0.00046
April	4.7	0.11	0.0000014	0.00028	0.001	1.4	0.00014	0.000016	0.000005	0.00005	0.00027	0.0012	0.0040	0.00046
May	3.9	0.027	0.0000061	0.00028	0.0013	1.6	0.00015	0.000012	0.000005	0.00005	0.00029	0.0018	0.0023	0.00092
June	3.3	0.048	0.0000061	0.00023	0.00097	1.1	0.00011	0.000008	0.000005	0.00005	0.00023	0.0014	0.0018	0.00077
July	7.7	0.090	0.0000028	0.00059	0.00096	2.0	0.00011	0.000015	0.000007	0.00010	0.00077	0.0015	0.0015	0.00044
August	5.5	0.059	0.0000028	0.00035	0.0011	1.3	0.00011	0.000025	0.000005	0.00014	0.00026	0.0014	0.0015	0.00071
September	7.3	0.036	0.0000014	0.00062	0.00095	2.1	0.000099	0.000025	0.000005	0.00009	0.00075	0.0012	0.0023	0.00075
October	5.5	0.023	0.0000014	0.00034	0.00077	1.8	0.000061	0.000025	0.000005	0.000045	0.00029	0.0011	0.0015	0.00076
November	3.6	0.026	0.0000014	0.00023	0.0008	1.3	0.0001	0.000025	0.000005	0.00005	0.00029	0.0012	0.0015	0.00043
December	5.7	0.028	0.0000014	0.00047	0.00067	1.7	0.00013	0.000015	0.000005	0.00005	0.00088	0.0011	0.0015	0.00030

Table A-14: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012
December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72	0.00012

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
February	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
March	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
April	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
May	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
June	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
July	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
August	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
September	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
October	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
November	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001
December	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001

Table A-15: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
February	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
March	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
April	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
May	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
June	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
July	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
August	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
September	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
October	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.005	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
November	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
December	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
February	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
March	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
April	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
May	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
June	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
July	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
August	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
September	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
October	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.0000050	0.00003	0.000052	0.00037	0.0015	0.001
November	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
December	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001

Table A-16: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
February	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
March	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
April	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
May	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
June	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
July	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
August	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
September	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
October	4.6	0.04	0.023	0.015	0.021	1.0	0.0031	0.052	0.00045	0.0024	0.00001	0.0050	0.0000025	10	0.00031	0.000050	0.00050	0.16	0.000089
November	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069
December	7.5	0.40	0.040	0.015	0.020	1.0	0.005	0.042	0.00045	0.0037	0.00001	0.0078	0.0000042	17	0.00036	0.000064	0.00063	0.28	0.000069

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
February	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
March	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
April	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
May	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
June	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
July	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
August	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
September	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
October	3.6	0.015	0.0000022	0.00017	0.00040	1.3	0.00011	0.000025	0.000005	0.00003	0.000052	0.00037	0.0015	0.001
November	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001
December	4.9	0.10	0.0000022	0.00022	0.00057	2.1	0.00012	0.000025	0.0000025	0.00001	0.000077	0.00034	0.0013	0.001

Table A-17: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045
February	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045
March	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045
April	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045
May	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
June	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
July	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
August	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
September	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
October	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.00001	0.005	0.0000025	15	0.0008	0.0003	0.00061	1.2	0.000056
November	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045
December	43	0.050	0.16	0.015	0.021	3.0	0.005	0.031	0.00045	0.0011	0.00001	0.005	0.0000055	15	0.00025	0.00027	0.0005	1.4	0.000045

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010
February	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010
March	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010
April	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010
May	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
June	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
July	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
August	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
September	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
October	2.8	0.048	0.0000021	0.00034	0.00072	0.90	0.000090	0.000005	0.000005	0.00005	0.00016	0.0008	0.0015	0.00058
November	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010
December	3.4	0.039	0.0000021	0.0004	0.0003	1.2	0.000025	0.000025	0.0000025	0.00005	0.00013	0.0003	0.0015	0.0010

Table A-18: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
February	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
March	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
April	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
May	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
June	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
July	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
August	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
September	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
October	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
November	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011
December	0.23	0.012	0.006	0.0005	0.04	0.65	0.0008	0.098	0.00005	0.002	0.00001	0.005	0.0000062	10	0.00035	0.00014	0.00078	0.38	0.00011

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
February	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
March	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
April	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
May	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
June	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
July	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
August	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
September	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
October	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
November	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025
December	3.2	0.015	0.0000015	0.00019	0.00064	1.1	0.0001	0.000005	0.000005	0.00005	0.00016	0.00079	0.0015	0.00025

Table A-19: Baseline Receiver Water Quality Source Terms, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026
December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0	0.00026

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
February	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
March	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
April	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
May	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
June	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
July	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
August	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
September	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
October	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
November	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088
December	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088

Table A-20: Baseline Receiver Water Quality Source Terms, Upper Case, Chukuni River (CHK-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	3.0	0.050	0.10	0.015	0.028	6.8	0.005	0.14	0.00045	0.0085	0.000014	0.0088	0.000014	12	0.00057	0.00012	0.0019	0.19	0.00012
February	3.7	0.050	0.17	0.015	0.032	6.8	0.005	0.11	0.00045	0.01	0.000011	0.0058	0.000014	12	0.0017	0.00017	0.0027	1.1	0.000086
March	3.7	0.050	0.17	0.015	0.032	6.8	0.005	0.11	0.00045	0.01	0.000011	0.0058	0.000014	12	0.0017	0.00017	0.0027	1.1	0.000086
April	3.7	0.050	0.17	0.015	0.032	6.8	0.005	0.11	0.00045	0.01	0.000011	0.0058	0.000014	12	0.0017	0.00017	0.0027	1.1	0.000086
May	2.8	0.021	0.0096	0.0005	0.023	5.8	0.0005	0.17	0.0003	0.0057	0.000010	0.0050	0.000004	9.9	0.00059	0.00014	0.0015	0.24	0.00012
June	2.8	0.021	0.0096	0.0005	0.023	5.8	0.0005	0.17	0.0003	0.0057	0.000010	0.0050	0.000004	9.9	0.00059	0.00014	0.0015	0.24	0.00012
July	2.9	0.040	0.024	0.015	0.031	5.9	0.005	0.19	0.00042	0.011	0.000010	0.0070	0.0000049	12	0.00037	0.00014	0.0015	0.24	0.0001
August	2.9	0.040	0.024	0.015	0.031	5.9	0.005	0.19	0.00042	0.011	0.000010	0.0070	0.0000049	12	0.00037	0.00014	0.0015	0.24	0.0001
September	2.8	0.050	0.030	0.012	0.060	5.8	0.0039	0.21	0.00042	0.013	0.000010	0.0058	0.0000056	11	0.00071	0.0002	0.0017	0.26	0.00017
October	2.8	0.050	0.030	0.012	0.060	5.8	0.0039	0.21	0.00042	0.013	0.000010	0.0058	0.0000056	11	0.00071	0.0002	0.0017	0.26	0.00017
November	3.0	0.050	0.10	0.015	0.028	6.8	0.005	0.14	0.00045	0.0085	0.000014	0.0088	0.000014	12	0.00057	0.00012	0.0019	0.19	0.00012
December	3.0	0.050	0.10	0.015	0.028	6.8	0.005	0.14	0.00045	0.0085	0.000014	0.0088	0.000014	12	0.00057	0.00012	0.0019	0.19	0.00012

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.0	0.0096	0.0000014	0.00022	0.0016	1.1	0.00020	0.000025	0.000005	0.00005	0.00013	0.00069	0.0019	0.0010
February	3.2	0.013	0.0000014	0.00027	0.0031	1.3	0.00012	0.000025	0.000005	0.00005	0.00012	0.00046	0.0030	0.0010
March	3.2	0.013	0.0000014	0.00027	0.0031	1.3	0.00012	0.000025	0.000005	0.00005	0.00012	0.00046	0.0030	0.0010
April	3.2	0.013	0.0000014	0.00027	0.0031	1.3	0.00012	0.000025	0.000005	0.00005	0.00012	0.00046	0.0030	0.0010
May	2.6	0.011	0.0000016	0.00018	0.0014	0.99	0.00012	0.000005	0.000005	0.00005	0.00011	0.00064	0.0050	0.00025
June	2.6	0.011	0.0000016	0.00018	0.0014	0.99	0.00012	0.000005	0.000005	0.00005	0.00011	0.00064	0.0050	0.00025
July	2.9	0.012	0.00000096	0.00024	0.0013	1.1	0.00011	0.000025	0.000005	0.00005	0.00013	0.00080	0.0015	0.00081
August	2.9	0.012	0.00000096	0.00024	0.0013	1.1	0.00011	0.000025	0.000005	0.00005	0.00013	0.00080	0.0015	0.00081
September	2.9	0.013	0.00000098	0.00023	0.0017	1.1	0.00012	0.00002	0.000005	0.00005	0.00013	0.00094	0.0015	0.00083
October	2.9	0.013	0.00000098	0.00023	0.0017	1.1	0.00012	0.00002	0.000005	0.00005	0.00013	0.00094	0.0015	0.00083
November	3.0	0.0096	0.0000014	0.00022	0.0016	1.1	0.00020	0.000025	0.000005	0.00005	0.00013	0.00069	0.0019	0.0010
December	3.0	0.0096	0.0000014	0.00022	0.0016	1.1	0.00020	0.000025	0.000005	0.00005	0.00013	0.00069	0.0019	0.0010

Table A-21: Baseline Receiver Water Quality Source Terms, Upper Case, Chukuni River (CHK-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022
February	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022
March	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022
April	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022
May	2.6	0.042	0.030	0.011	0.025	5.4	0.0005	0.27	0.00041	0.0057	0.000010	0.0050	0.0000082	11	0.00065	0.00018	0.0015	0.38	0.00014
June	2.6	0.042	0.030	0.011	0.025	5.4	0.0005	0.27	0.00041	0.0057	0.000010	0.0050	0.0000082	11	0.00065	0.00018	0.0015	0.38	0.00014
July	3.0	0.050	0.030	0.034	0.038	6.2	0.0039	0.25	0.00045	0.0089	0.000010	0.0083	0.0000093	12	0.00092	0.00016	0.0016	0.29	0.00015
August	2.9	0.050	0.019	0.019	0.031	6.0	0.0028	0.16	0.00045	0.012	0.000010	0.0088	0.0000031	12	0.00043	0.00013	0.0015	0.20	0.00011
September	2.8	0.050	0.030	0.015	0.028	5.8	0.0039	0.21	0.00045	0.011	0.000010	0.0065	0.0000062	12	0.00066	0.00019	0.0017	0.26	0.00015
October	2.8	0.050	0.030	0.015	0.028	5.8	0.0039	0.21	0.00045	0.011	0.000010	0.0065	0.0000062	12	0.00066	0.00019	0.0017	0.26	0.00015
November	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022
December	3.5	0.075	0.12	0.015	0.034	5.5	0.005	0.23	0.00045	0.0081	0.000015	0.0080	0.000025	12	0.00088	0.00018	0.0035	0.35	0.00022

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010
February	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010
March	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010
April	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010
May	3.1	0.015	0.0000018	0.00026	0.0014	1.1	0.00012	0.000020	0.000005	0.00005	0.00015	0.00095	0.0026	0.00083
June	3.1	0.015	0.0000018	0.00026	0.0014	1.1	0.00012	0.000020	0.000005	0.00005	0.00015	0.00095	0.0026	0.00083
July	2.9	0.014	0.0000018	0.00023	0.0014	1.0	0.00011	0.000025	0.0000055	0.000053	0.00011	0.0011	0.0019	0.0010
August	3.1	0.016	0.0000018	0.0003	0.0012	1.0	0.00011	0.000025	0.0000055	0.00005	0.00014	0.00079	0.0015	0.0010
September	2.9	0.014	0.0000018	0.0003	0.0016	1.1	0.00013	0.000025	0.000005	0.00005	0.00013	0.00087	0.0015	0.0010
October	2.9	0.014	0.0000018	0.0003	0.0016	1.1	0.00013	0.000025	0.000005	0.00005	0.00013	0.00087	0.0015	0.0010
November	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010
December	3.5	0.015	0.0000018	0.00029	0.0018	1.2	0.00014	0.000025	0.000005	0.00005	0.00017	0.00089	0.0073	0.0010

Table A-22: Baseline Receiver Water Quality Source Terms, Upper Case, Dixie Lake (DIX-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024
February	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024
March	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024
April	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024
May	0.63	0.11	0.11	0.015	0.040	0.93	0.005	0.24	0.00045	0.0018	0.000014	0.0063	0.000006	11	0.00061	0.00014	0.0012	0.53	0.00021
June	0.63	0.11	0.11	0.015	0.040	0.93	0.005	0.24	0.00045	0.0018	0.000014	0.0063	0.000006	11	0.00061	0.00014	0.0012	0.53	0.00021
July	0.50	0.050	0.030	0.015	0.029	1.0	0.005	0.21	0.00045	0.0037	0.000022	0.0080	0.00001	12	0.00080	0.00031	0.0011	0.60	0.00024
August	0.50	0.050	0.030	0.015	0.029	1.0	0.005	0.21	0.00045	0.0037	0.000022	0.0080	0.00001	12	0.00080	0.00031	0.0011	0.60	0.00024
September	0.51	0.050	0.13	0.015	0.036	1.0	0.005	0.13	0.00045	0.0025	0.000012	0.0068	0.0000033	11	0.00051	0.00015	0.00089	0.46	0.00016
October	0.51	0.050	0.13	0.015	0.036	1.0	0.005	0.13	0.00045	0.0025	0.000012	0.0068	0.0000033	11	0.00051	0.00015	0.00089	0.46	0.00016
November	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024
December	1.3	0.050	0.24	0.015	0.033	1.0	0.005	0.20	0.00045	0.0023	0.000025	0.0073	0.000011	15	0.00067	0.00019	0.0012	0.67	0.00024

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001
February	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001
March	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001
April	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001
May	3.2	0.021	0.0000014	0.00022	0.00073	1.1	0.00011	0.000025	0.0000050	0.000050	0.00025	0.0011	0.0031	0.001
June	3.2	0.021	0.0000014	0.00022	0.00073	1.1	0.00011	0.000025	0.0000050	0.000050	0.00025	0.0011	0.0031	0.001
July	3.5	0.084	0.0000014	0.00028	0.00090	1.0	0.00015	0.000025	0.0000050	0.000010	0.00021	0.0010	0.0050	0.001
August	3.5	0.084	0.0000014	0.00028	0.00090	1.0	0.00015	0.000025	0.0000050	0.000010	0.00021	0.0010	0.0050	0.001
September	3.4	0.028	0.0000014	0.00024	0.00076	1.1	0.00011	0.000025	0.0000050	0.000050	0.00021	0.00092	0.0015	0.001
October	3.4	0.028	0.0000014	0.00024	0.00076	1.1	0.00011	0.000025	0.0000050	0.000050	0.00021	0.00092	0.0015	0.001
November	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001
December	4.4	0.049	0.0000014	0.00028	0.00083	1.4	0.00016	0.000025	0.0000038	0.000025	0.00029	0.00095	0.0023	0.001

Table A-23: Baseline Receiver Water Quality Source Terms, Upper Case, Dixie Creek (DIX-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.0	0.20	0.16	0.015	0.041	1.0	0.005	0.46	0.00045	0.0020	0.000025	0.0050	0.0000086	17	0.00096	0.00031	0.0013	0.76	0.00025
February	1.0	0.20	0.16	0.015	0.041	1.0	0.005	0.46	0.00045	0.0020	0.000025	0.0050	0.0000086	17	0.00096	0.00031	0.0013	0.76	0.00025
March	1.0	0.050	0.19	0.015	0.041	1.0	0.005	0.37	0.00045	0.0025	0.000024	0.0050	0.000009	17	0.00090	0.00037	0.0014	1.2	0.00024
April	1.0	0.050	0.19	0.015	0.041	1.0	0.005	0.37	0.00045	0.0025	0.000024	0.0050	0.000009	17	0.00090	0.00037	0.0014	1.2	0.00024
May	1.0	0.044	0.54	0.012	0.049	1.0	0.0045	0.85	0.00039	0.0022	0.000033	0.0093	0.000022	27	0.0015	0.00041	0.0026	0.91	0.00033
June	0.98	0.049	0.03	0.012	0.049	1.0	0.005	0.41	0.00039	0.0023	0.000025	0.011	0.0000092	18	0.00095	0.00031	0.0017	0.85	0.00024
July	0.96	0.050	0.078	0.014	0.065	2.0	0.0041	0.66	0.00035	0.0035	0.000026	0.0065	0.000011	34	0.0014	0.00048	0.0019	1.2	0.00034
August	0.87	0.10	0.032	0.024	0.067	1.1	0.005	0.60	0.00045	0.0038	0.000031	0.011	0.000015	26	0.0015	0.00046	0.0023	1.1	0.00038
September	2.1	0.050	0.058	0.015	0.044	2.2	0.005	0.37	0.00045	0.0031	0.000018	0.0060	0.0000092	37	0.0010	0.00028	0.0022	0.78	0.00024
October	1.1	0.050	0.055	0.015	0.041	2.7	0.004	0.32	0.00045	0.0027	0.000011	0.007	0.0000084	30	0.00083	0.00022	0.0012	0.74	0.00017
November	1.0	0.050	0.08	0.015	0.03	3.3	0.005	0.39	0.00045	0.0020	0.000014	0.0065	0.0000085	37	0.0010	0.00024	0.0015	0.81	0.00020
December	0.76	0.046	0.1	0.012	0.033	2.8	0.0039	0.42	0.00036	0.0019	0.000012	0.0050	0.0000097	36	0.00093	0.00027	0.0014	0.84	0.00020

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.045	0.0000018	0.00029	0.00092	1.5	0.00023	0.000025	0.0000050	0.000050	0.00039	0.0015	0.0030	0.0010
February	4.9	0.045	0.0000018	0.00029	0.00092	1.5	0.00023	0.000025	0.0000050	0.000050	0.00039	0.0015	0.0030	0.0010
March	5.2	0.14	0.0000018	0.00028	0.0011	1.4	0.00014	0.000025	0.0000060	0.000050	0.00036	0.0014	0.0050	0.0010
April	5.2	0.14	0.0000018	0.00028	0.0011	1.4	0.00014	0.000025	0.0000060	0.000050	0.00036	0.0014	0.0050	0.0010
May	6.7	0.052	0.000014	0.00068	0.0023	2.5	0.00019	0.000023	0.000012	0.000050	0.00093	0.0030	0.0038	0.0010
June	5.3	0.076	0.000014	0.00046	0.0014	2.0	0.00014	0.000022	0.0000050	0.000050	0.00040	0.0020	0.0028	0.0010
July	8.7	0.15	0.0000073	0.00070	0.0014	2.3	0.00015	0.000078	0.000011	0.00068	0.0012	0.0025	0.0015	0.00086
August	6.3	0.082	0.0000073	0.00060	0.0021	1.9	0.00018	0.000028	0.0000050	0.00027	0.00050	0.0016	0.0023	0.0015
September	8.6	0.055	0.0000018	0.00077	0.0012	2.6	0.00011	0.000032	0.0000073	0.00043	0.0011	0.0015	0.0040	0.0010
October	6.7	0.045	0.0000018	0.00067	0.00092	2.1	0.00010	0.000028	0.0000050	0.00011	0.0011	0.0012	0.0016	0.0010
November	8.3	0.045	0.0000018	0.00071	0.0010	2.2	0.00011	0.000025	0.0000050	0.000070	0.0013	0.0015	0.0026	0.0010
December	7.6	0.035	0.0000018	0.00071	0.0011	2.2	0.00016	0.000025	0.0000050	0.000050	0.0016	0.0016	0.0034	0.00083

Table A-24: Baseline Receiver Water Quality Source Terms, Upper Case, Dixie Creek (DIX-3)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
February	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
March	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
April	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
May	0.42	0.050	0.030	0.0078	0.037	0.96	0.005	0.49	0.00025	0.0021	0.000025	0.0050	0.0000059	11	0.0010	0.00026	0.0013	0.80	0.00022
June	0.42	0.050	0.030	0.0078	0.037	0.96	0.005	0.49	0.00025	0.0021	0.000025	0.0050	0.0000059	11	0.0010	0.00026	0.0013	0.80	0.00022
July	2.1	0.050	0.077	0.015	0.042	1.0	0.005	1.0	0.00045	0.0025	0.000046	0.0063	0.000017	11	0.0023	0.0006	0.0021	1.6	0.00050
August	2.0	0.050	0.058	0.011	0.065	2.8	0.0043	1.7	0.00035	0.0036	0.000060	0.0065	0.000012	23	0.0029	0.00064	0.0027	1.9	0.00055
September	0.82	0.076	0.066	0.015	0.050	1.1	0.005	0.43	0.00035	0.0036	0.000022	0.011	0.0000096	20	0.0011	0.00029	0.0015	0.88	0.00026
October	3.4	0.050	0.11	0.015	0.047	2.2	0.005	0.53	0.00045	0.0034	0.000025	0.0093	0.0000076	30	0.0012	0.00032	0.0015	0.99	0.00035
November	2.6	0.050	0.080	0.015	0.048	1.7	0.005	1.5	0.00045	0.0029	0.000023	0.0065	0.000025	24	0.0011	0.00025	0.0016	0.83	0.00037
December	0.54	0.044	0.067	0.012	0.043	1.0	0.0039	0.26	0.00035	0.0020	0.000033	0.0050	0.000018	13	0.00060	0.00020	0.0011	0.60	0.00017

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
February	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
March	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
April	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
May	3.4	0.030	0.0000039	0.00023	0.0011	1.1	0.00013	0.000019	0.0000050	0.000050	0.00024	0.0015	0.0015	0.00081
June	3.4	0.030	0.0000039	0.00023	0.0011	1.1	0.00013	0.000019	0.0000050	0.000050	0.00024	0.0015	0.0015	0.00081
July	3.4	0.077	0.0000039	0.00025	0.0021	1.4	0.00013	0.000025	0.000019	0.000058	0.00031	0.0031	0.0044	0.0010
August	7.4	0.12	0.0000029	0.00062	0.0022	2.0	0.00014	0.000022	0.000020	0.00024	0.00043	0.0044	0.0041	0.00087
September	5.3	0.11	0.0000029	0.00055	0.0012	1.4	0.00015	0.000021	0.000011	0.00041	0.00026	0.0016	0.0015	0.00095
October	8.4	0.13	0.0000029	0.00067	0.0014	2.2	0.00012	0.000025	0.000010	0.00024	0.00066	0.0018	0.0033	0.0010
November	6.8	0.026	0.0000018	0.00056	0.0012	1.7	0.00014	0.000025	0.000010	0.00028	0.00055	0.0015	0.0015	0.0010
December	3.8	0.021	0.0000018	0.00025	0.00093	1.1	0.00047	0.000020	0.0000050	0.00013	0.00034	0.0012	0.0015	0.00083

Table A-25: Baseline Receiver Water Quality Source Terms, Upper Case, Dixie Creek (DIX-4)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
February	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
March	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
April	1.0	0.069	0.18	0.015	0.041	1.0	0.005	0.43	0.00045	0.0023	0.000025	0.0050	0.0000089	17	0.00095	0.00036	0.0013	1.0	0.00025
May	0.42	0.050	0.030	0.0078	0.037	0.96	0.005	0.49	0.00025	0.0021	0.000025	0.0050	0.0000059	11	0.0010	0.00026	0.0013	0.80	0.00022
June	0.42	0.050	0.030	0.0078	0.037	0.96	0.005	0.49	0.00025	0.0021	0.000025	0.0050	0.0000059	11	0.0010	0.00026	0.0013	0.80	0.00022
July	2.1	0.050	0.077	0.015	0.042	1.0	0.005	1.0	0.00045	0.0025	0.000046	0.0063	0.000017	11	0.0023	0.0006	0.0021	1.6	0.00050
August	2.0	0.050	0.058	0.011	0.065	2.8	0.0043	1.7	0.00035	0.0036	0.000060	0.0065	0.000012	23	0.0029	0.00064	0.0027	1.9	0.00055
September	0.82	0.076	0.066	0.015	0.050	1.1	0.005	0.43	0.00035	0.0036	0.000022	0.011	0.0000096	20	0.0011	0.00029	0.0015	0.88	0.00026
October	3.4	0.050	0.11	0.015	0.047	2.2	0.005	0.53	0.00045	0.0034	0.000025	0.0093	0.0000076	30	0.0012	0.00032	0.0015	0.99	0.00035
November	2.6	0.050	0.080	0.015	0.048	1.7	0.005	1.5	0.00045	0.0029	0.000023	0.0065	0.000025	24	0.0011	0.00025	0.0016	0.83	0.00037
December	0.54	0.044	0.067	0.012	0.043	1.0	0.0039	0.26	0.00035	0.0020	0.000033	0.0050	0.000018	13	0.00060	0.00020	0.0011	0.60	0.00017

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
February	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
March	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
April	5.2	0.10	0.0000018	0.00029	0.0010	1.5	0.00020	0.000025	0.0000058	0.000050	0.00038	0.0014	0.0040	0.0010
May	3.4	0.030	0.0000039	0.00023	0.0011	1.1	0.00013	0.000019	0.0000050	0.000050	0.00024	0.0015	0.0015	0.00081
June	3.4	0.030	0.0000039	0.00023	0.0011	1.1	0.00013	0.000019	0.0000050	0.000050	0.00024	0.0015	0.0015	0.00081
July	3.4	0.077	0.0000039	0.00025	0.0021	1.4	0.00013	0.000025	0.000019	0.000058	0.00031	0.0031	0.0044	0.0010
August	7.4	0.12	0.0000029	0.00062	0.0022	2.0	0.00014	0.000022	0.000020	0.00024	0.00043	0.0044	0.0041	0.00087
September	5.3	0.11	0.0000029	0.00055	0.0012	1.4	0.00015	0.000021	0.000011	0.00041	0.00026	0.0016	0.0015	0.00095
October	8.4	0.13	0.0000029	0.00067	0.0014	2.2	0.00012	0.000025	0.000010	0.00024	0.00066	0.0018	0.0033	0.0010
November	6.8	0.026	0.0000018	0.00056	0.0012	1.7	0.00014	0.000025	0.000010	0.00028	0.00055	0.0015	0.0015	0.0010
December	3.8	0.021	0.0000018	0.00025	0.00093	1.1	0.00047	0.000020	0.0000050	0.00013	0.00034	0.0012	0.0015	0.00083

Table A-26: Baseline Receiver Water Quality Source Terms, Upper Case, Dixie Creek (DIX-5)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028
February	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028
March	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028
April	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028
May	1.0	0.05	0.047	0.015	0.033	1.1	0.005	0.42	0.00045	0.0022	0.000024	0.0060	0.0000080	12	0.00094	0.00025	0.0013	0.72	0.00019
June	1.0	0.05	0.047	0.015	0.033	1.1	0.005	0.42	0.00045	0.0022	0.000024	0.0060	0.0000080	12	0.00094	0.00025	0.0013	0.72	0.00019
July	0.96	0.05	0.030	0.023	0.071	1.5	0.005	0.59	0.00045	0.0036	0.000033	0.0075	0.000014	22	0.0015	0.00042	0.0017	1.0	0.00039
August	0.96	0.05	0.030	0.023	0.071	1.5	0.005	0.59	0.00045	0.0036	0.000033	0.0075	0.000014	22	0.0015	0.00042	0.0017	1.0	0.00039
September	1.0	0.15	0.050	0.015	0.032	1.0	0.005	0.33	0.00045	0.0028	0.000027	0.012	0.0000062	22	0.0012	0.00021	0.0011	0.62	0.00021
October	1.0	0.15	0.050	0.015	0.032	1.0	0.005	0.33	0.00045	0.0028	0.000027	0.012	0.0000062	22	0.0012	0.00021	0.0011	0.62	0.00021
November	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028
December	2.0	0.05	0.19	0.015	0.032	1.0	0.005	0.31	0.00045	0.0024	0.000026	0.0085	0.0000080	23	0.0012	0.00027	0.0016	1.1	0.00028

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001
February	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001
March	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001
April	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001
May	3.9	0.037	0.00000075	0.00036	0.0011	1.5	0.00015	0.000025	0.0000050	0.00005	0.00021	0.0014	0.0040	0.001
June	3.9	0.037	0.00000075	0.00036	0.0011	1.5	0.00015	0.000025	0.0000050	0.00005	0.00021	0.0014	0.0040	0.001
July	6.1	0.065	0.00000075	0.00090	0.0017	1.5	0.00014	0.000025	0.0000050	0.00005	0.00030	0.0020	0.0031	0.001
August	6.1	0.065	0.00000075	0.00090	0.0017	1.5	0.00014	0.000025	0.0000050	0.00005	0.00030	0.0020	0.0031	0.001
September	6.5	0.044	0.00000075	0.00086	0.0012	1.9	0.00012	0.000025	0.000011	0.00005	0.00025	0.0013	0.0030	0.001
October	6.5	0.044	0.00000075	0.00086	0.0012	1.9	0.00012	0.000025	0.000011	0.00005	0.00025	0.0013	0.0030	0.001
November	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001
December	5.8	0.11	0.00000075	0.00048	0.00090	2.0	0.00010	0.000025	0.0000080	0.00005	0.00035	0.0012	0.0040	0.001

Table A-27: Baseline Receiver Water Quality Source Terms, Upper Case, Genessee Lake (GEN-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
February	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
March	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
April	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
May	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
June	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
July	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
August	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
September	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
October	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
November	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
December	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
February	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
March	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
April	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
May	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
June	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
July	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
August	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
September	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
October	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
November	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
December	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040

Table A-28: Baseline Receiver Water Quality Source Terms, Upper Case, Genessee Lake (GEN-L)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
February	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
March	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
April	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
May	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
June	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
July	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
August	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
September	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
October	0.50	0.046	0.03	0.015	0.020	1.0	0.0042	0.014	0.00037	0.0027	0.00001	0.0058	0.0000025	9.4	0.00025	0.00005	0.00025	0.22	0.000040
November	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045
December	0.52	0.050	0.03	0.0012	0.022	1.0	0.0005	0.024	0.00045	0.0020	0.00001	0.0050	0.0000070	11	0.00025	0.00005	0.00038	0.23	0.000045

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
February	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
March	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
April	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
May	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
June	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
July	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
August	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
September	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
October	2.3	0.025	0.00000075	0.00013	0.00025	0.71	0.000079	0.00002	0.000005	0.00005	0.000040	0.00025	0.0015	0.00078
November	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040
December	2.6	0.016	0.00000084	0.00012	0.00025	0.85	0.000087	0.000005	0.000005	0.00005	0.000042	0.00025	0.0015	0.00040

Table A-29: Baseline Receiver Water Quality Source Terms, Upper Case, Pakwash Lake (PAK-IN)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
February	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
March	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
April	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
May	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
June	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
July	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
August	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
September	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
October	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
November	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013
December	2.8	0.018	0.03	0.0005	0.025	5.8	0.0005	0.2	0.00028	0.009	0.00001	0.005	0.0000055	12	0.00067	0.00015	0.0016	0.28	0.00013

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
February	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
March	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
April	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
May	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
June	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
July	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
August	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
September	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
October	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
November	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023
December	3.2	0.016	0.0000015	0.00026	0.0015	1.1	0.00011	0.000005	0.000005	0.00005	0.00014	0.00082	0.0015	0.00023

Table A-30: Baseline Receiver Water Quality Source Terms, Upper Case, Pakwash Lake (PAK-L)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
February	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
March	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
April	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
May	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
June	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
July	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
August	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
September	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
October	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
November	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065
December	1.7	0.013	0.053	0.0005	0.028	3.9	0.0005	0.13	0.00019	0.0064	0.00001	0.005	0.0000025	12	0.00029	0.00005	0.0014	0.17	0.000065

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
February	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
March	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
April	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
May	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
June	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
July	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
August	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
September	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
October	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
November	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021
December	2.9	0.0091	0.0000012	0.00023	0.001	1.1	0.00011	0.000005	0.000005	0.00005	0.0001	0.00071	0.0015	0.00021

Table A-31: Baseline Receiver Water Quality Source Terms, Upper Case, Pakwash Lake (PAK-OUT)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
February	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
March	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
April	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
May	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
June	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
July	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
August	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
September	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
October	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
November	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066
December	1.7	0.0085	0.039	0.0005	0.025	3.6	0.0005	0.13	0.00019	0.006	0.00001	0.005	0.0000025	12	0.00031	0.00005	0.0013	0.15	0.000066

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
February	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
March	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
April	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
May	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
June	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
July	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
August	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
September	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
October	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
November	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016
December	3.0	0.0096	0.0000011	0.00023	0.00099	1.1	0.000097	0.000005	0.000005	0.00005	0.000098	0.00064	0.0015	0.00016

Table A-32: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-1)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	1.0	0.20	0.16	0.015	0.041	1.0	0.005	0.46	0.00045	0.0020	0.000025	0.0050	0.0000086	17	0.00096	0.00031	0.0013	0.76	0.00025
February	1.0	0.20	0.16	0.015	0.041	1.0	0.005	0.46	0.00045	0.0020	0.000025	0.0050	0.0000086	17	0.00096	0.00031	0.0013	0.76	0.00025
March	1.0	0.050	0.19	0.015	0.041	1.0	0.005	0.37	0.00045	0.0025	0.000024	0.0050	0.0000090	17	0.00090	0.00037	0.0014	1.2	0.00024
April	1.0	0.050	0.19	0.015	0.041	1.0	0.005	0.37	0.00045	0.0025	0.000024	0.0050	0.0000090	17	0.00090	0.00037	0.0014	1.2	0.00024
May	1.0	0.044	0.54	0.012	0.049	1.0	0.0045	0.85	0.00039	0.0022	0.000033	0.0093	0.000022	27	0.0015	0.00041	0.0026	0.91	0.00033
June	0.98	0.049	0.03	0.012	0.049	1.0	0.005	0.41	0.00039	0.0023	0.000025	0.011	0.0000092	18	0.00095	0.00031	0.0017	0.85	0.00024
July	0.96	0.050	0.078	0.014	0.065	2.0	0.0041	0.66	0.00035	0.0035	0.000026	0.0065	0.000011	34	0.0014	0.00048	0.0019	1.2	0.00034
August	0.87	0.10	0.032	0.024	0.067	1.1	0.005	0.60	0.00045	0.0038	0.000031	0.011	0.000015	26	0.0015	0.00046	0.0023	1.1	0.00038
September	2.1	0.050	0.058	0.015	0.044	2.2	0.005	0.37	0.00045	0.0031	0.000018	0.0060	0.0000092	37	0.0010	0.00028	0.0022	0.78	0.00024
October	1.1	0.050	0.055	0.015	0.041	2.7	0.004	0.32	0.00045	0.0027	0.000011	0.0070	0.0000084	30	0.00083	0.00022	0.0012	0.74	0.00017
November	1.0	0.050	0.08	0.015	0.03	3.3	0.005	0.39	0.00045	0.0020	0.000014	0.0065	0.0000085	37	0.0010	0.00024	0.0015	0.81	0.00020
December	0.76	0.046	0.10	0.012	0.033	2.8	0.0039	0.42	0.00036	0.0019	0.000012	0.0050	0.0000097	36	0.00093	0.00027	0.0014	0.84	0.00020

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.9	0.045	0.0000018	0.00029	0.00092	1.5	0.00023	0.000025	0.0000050	0.000050	0.00039	0.0015	0.0030	0.0010
February	4.9	0.045	0.0000018	0.00029	0.00092	1.5	0.00023	0.000025	0.0000050	0.000050	0.00039	0.0015	0.0030	0.0010
March	5.2	0.14	0.0000018	0.00028	0.0011	1.4	0.00014	0.000025	0.0000060	0.000050	0.00036	0.0014	0.0050	0.0010
April	5.2	0.14	0.0000018	0.00028	0.0011	1.4	0.00014	0.000025	0.0000060	0.000050	0.00036	0.0014	0.0050	0.0010
May	6.7	0.052	0.000014	0.00068	0.0023	2.5	0.00019	0.000023	0.000012	0.000050	0.00093	0.0030	0.0038	0.0010
June	5.3	0.076	0.000014	0.00046	0.0014	2.0	0.00014	0.000022	0.0000050	0.000050	0.00040	0.0020	0.0028	0.0010
July	8.7	0.15	0.0000073	0.00070	0.0014	2.3	0.00015	0.000078	0.000011	0.00068	0.0012	0.0025	0.0015	0.00086
August	6.3	0.082	0.0000073	0.00060	0.0021	1.9	0.00018	0.000028	0.0000050	0.00027	0.0005	0.0016	0.0023	0.0015
September	8.6	0.055	0.0000018	0.00077	0.0012	2.6	0.00011	0.000032	0.0000073	0.00043	0.0011	0.0015	0.0040	0.0010
October	6.7	0.045	0.0000018	0.00067	0.00092	2.1	0.0001	0.000028	0.0000050	0.00011	0.0011	0.0012	0.0016	0.0010
November	8.3	0.045	0.0000018	0.00071	0.0010	2.2	0.00011	0.000025	0.0000050	0.000070	0.0013	0.0015	0.0026	0.0010
December	7.6	0.035	0.0000018	0.00071	0.0011	2.2	0.00016	0.000025	0.0000050	0.000050	0.0016	0.0016	0.0034	0.00083

Table A-33: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-2)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
February	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
March	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
April	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
May	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
June	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
July	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
August	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
September	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
October	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
November	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027
December	34	0.075	0.034	0.015	0.037	1.0	0.005	0.32	0.00045	0.0051	0.000025	0.0058	0.000021	15	0.0012	0.0009	0.0011	1.000000	0.00027

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
February	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
March	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
April	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
May	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
June	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
July	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
August	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
September	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
October	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
November	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001
December	4.5	0.10	0.0000064	0.00023	0.0011	1.0	0.00017	0.000025	0.000011	0.00005	0.00012	0.0012	0.004	0.001

Table A-34: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-L6)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
February	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
March	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
April	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
May	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
June	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
July	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
August	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
September	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
October	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
November	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
December	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
February	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
March	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
April	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
May	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
June	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
July	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
August	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
September	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
October	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
November	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
December	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001

Table A-35: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-3)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
February	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
March	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
April	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
May	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
June	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
July	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
August	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
September	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
October	5.0	0.088	0.030	0.015	0.032	1.0	0.005	0.09	0.00045	0.0030	0.000011	0.0068	0.0000025	12	0.00056	0.000050	0.00054	0.28	0.00013
November	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010
December	8.3	0.70	0.062	0.015	0.026	1.0	0.005	0.05	0.00045	0.0055	0.000017	0.010	0.000021	20	0.00049	0.00011	0.00079	0.95	0.00010

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
February	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
March	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
April	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
May	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
June	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
July	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
August	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
September	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
October	4.0	0.021	0.0000012	0.00018	0.00050	1.5	0.00013	0.000025	0.0000050	0.00005	0.000056	0.00047	0.0030	0.001
November	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001
December	5.5	0.16	0.0000012	0.00023	0.00073	2.3	0.00019	0.000025	0.0000038	0.00003	0.000087	0.00041	0.0023	0.001

Table A-36: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-4)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045
February	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045
March	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045
April	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045
May	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
June	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
July	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
August	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
September	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
October	6.0	0.034	0.043	0.0028	0.028	1.2	0.0017	0.10	0.00014	0.0031	0.000010	0.0050	0.0000025	15	0.00080	0.00030	0.00061	1.2	0.000056
November	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045
December	60	0.050	0.19	0.015	0.031	4.5	0.005	0.093	0.00045	0.0025	0.000014	0.0055	0.0000058	18	0.00048	0.00041	0.00058	1.7	0.000045

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010
February	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010
March	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010
April	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010
May	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
June	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
July	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
August	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
September	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
October	2.8	0.048	0.0000039	0.00034	0.00072	0.90	0.000090	0.0000050	0.000005	0.00005	0.00016	0.00080	0.0015	0.00058
November	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010
December	4.0	0.12	0.0000039	0.00047	0.00051	1.3	0.000062	0.000025	0.000005	0.00009	0.00014	0.00065	0.0039	0.0010

Table A-37: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-5)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
February	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
March	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
April	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
May	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
June	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
July	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
August	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
September	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
October	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
November	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011
December	0.24	0.025	0.019	0.0005	0.044	0.69	0.0016	0.15	0.00005	0.0031	0.00001	0.005	0.0000069	11	0.00047	0.00014	0.00096	0.47	0.00011

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
February	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
March	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
April	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
May	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
June	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
July	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
August	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
September	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
October	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
November	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031
December	3.3	0.020	0.0000015	0.00021	0.00072	1.1	0.00011	0.000005	0.000005	0.00005	0.00018	0.001	0.0015	0.00031

Table A-38: Baseline Receiver Water Quality Source Terms, Upper Case, Unnamed Waterbodies and Watercourses (UN-6)

Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
January	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
February	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
March	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
April	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
May	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
June	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
July	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
August	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
September	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
October	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
November	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038
December	72	0.041	0.040	0.0005	0.05	1.5	0.0021	1.3	0.00034	0.0049	0.000076	0.005	0.00002	14	0.0022	0.00094	0.0037	1.9	0.00038

Month	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
January	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
February	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
March	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
April	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
May	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
June	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
July	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
August	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
September	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
October	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
November	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011
December	5.3	0.065	0.0000078	0.0003	0.0015	1.2	0.00023	0.000005	0.000021	0.0001	0.00061	0.003	0.004	0.0011

Appendix B
Geochemical Source Terms

Table B-1: Geochemical Source Terms, Seepage, Tailings Management Facility

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
1	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
2	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
3	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
4	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
5	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
6	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
7	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
8	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
9	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
10	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
11	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
12	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
13	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
14	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
15	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
16	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
17	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
18	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
19	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
20	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
21	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
22	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
23	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
24	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
25	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
26	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
27	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
28	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
29	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
30	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
31	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
32	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
33	25	26	3.3	2.1	0.55	1209	0.10	0.0091	0.037	0.0097	0.0000047	0.046	0.000023	131	0.00097	0.034	0.0032
34	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
35	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
36	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
37	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
38	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
39	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
40	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
41	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
42	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
43	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
44	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
45	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
46	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
47	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
48	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
49	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
50	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
51	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
52	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015

Table B-1: Geochemical Source Terms, Seepage, Tailings Management Facility

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
53	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
54	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
55	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
56	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
57	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
58	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
59	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
60	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
61	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
62	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
63	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
64	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
65	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
66	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
67	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
68	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
69	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
70	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015
71	23	0.032	0.05	0.0052	0.029	88	0.0021	0.0081	0.0038	0.0006	0.000077	0.084	0.000036	72	0.0035	0.0032	0.0015

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated using site-specific cofactors (pH, 25th percentile hardness to be conservative). In the absence of site-specific dissolved organic carbon, the lower limit was inputted.
Seepage quality was obtained from Table 5-7 (Operations), Table 5-12 (Active Closure), Table 5-19 (Passive Closure) and Table 5-22 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-1: Geochemical Source Terms, Seepage, Tailings Management Facility

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
1	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
2	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
3	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
4	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
5	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
6	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
7	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
8	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
9	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
10	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
11	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
12	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
13	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
14	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
15	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
16	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
17	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
18	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
19	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
20	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
21	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
22	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
23	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
24	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
25	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
26	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
27	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
28	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
29	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
30	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
31	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
32	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
33	0.018	0.00000016	6.2	0.10	0.0000078	0.035	0.00086	28	0.0031	0.000048	0.000019	0.0068	0.0039	0.0024	0.0007	0.001
34	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
35	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
36	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
37	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
38	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
39	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
40	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
41	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
42	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
43	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
44	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
45	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
46	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
47	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
48	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
49	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
50	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
51	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
52	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007

Table B-1: Geochemical Source Terms, Seepage, Tailings Management Facility

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
53	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
54	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
55	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
56	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
57	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
58	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
59	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
60	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
61	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
62	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
63	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
64	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
65	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
66	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
67	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
68	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
69	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
70	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007
71	0.0075	0.0000041	1.5	0.17	0.000036	0.01	0.0031	21	0.0026	0.0002	0.000033	0.0022	0.0047	0.0089	0.009	0.007

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated using site-specific cofactors (pH, 25th percentile hardness to be conservative). In the absence of site-specific dissolved organic carbon, the lower limit was inputted.
Seepage quality was obtained from Table 5-7 (Operations), Table 5-12 (Active Closure), Table 5-19 (Passive Closure) and Table 5-22 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-2: Geochemical Source Terms, Seepage, Tailings Management Facility Pond

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	16	26	3.3	2.1	0.39	936	0.1	0.0091	0.031	0.0061	0.0000025	0.027	0.000023	112	0.00066	0.029	0.0024
1	16	26	3.3	2.1	0.39	936	0.1	0.0091	0.031	0.0061	0.0000025	0.027	0.000023	112	0.00066	0.029	0.0024
2	27	26	3.3	2.1	0.60	1421	0.1	0.0087	0.046	0.010	0.0000030	0.047	0.000045	165	0.00099	0.042	0.0032
3	26	26	3.3	2.1	0.59	1393	0.1	0.0088	0.045	0.010	0.0000035	0.047	0.000047	162	0.0011	0.042	0.0033
4	26	26	3.3	2.1	0.60	1285	0.1	0.0090	0.039	0.010	0.0000043	0.049	0.00003	139	0.0011	0.035	0.0031
5	25	26	3.3	2.1	0.57	1223	0.1	0.0091	0.037	0.0099	0.0000043	0.048	0.000025	134	0.001	0.034	0.0031
6	25	26	3.3	2.1	0.55	1180	0.1	0.0091	0.036	0.0095	0.0000043	0.047	0.000021	129	0.00098	0.033	0.003
7	24	26	3.3	2.1	0.52	1126	0.1	0.0091	0.034	0.009	0.0000042	0.045	0.000016	124	0.00096	0.031	0.0029
8	23	26	3.3	2.1	0.51	1091	0.1	0.0091	0.033	0.0088	0.0000043	0.045	0.000015	120	0.00095	0.030	0.0029
9	23	26	3.3	2.1	0.50	1062	0.1	0.0091	0.032	0.0087	0.0000044	0.045	0.000015	117	0.00094	0.029	0.0029
10	23	26	3.3	2.1	0.50	1054	0.1	0.0091	0.032	0.0088	0.0000046	0.045	0.000016	117	0.00097	0.029	0.003
11	23	26	3.3	2.1	0.49	1046	0.1	0.0091	0.032	0.0088	0.0000048	0.045	0.000016	116	0.00099	0.029	0.003
12	23	26	3.3	2.1	0.49	1045	0.1	0.0091	0.032	0.0088	0.0000049	0.046	0.000016	116	0.00099	0.029	0.003
13	23	26	3.3	2.1	0.49	1040	0.1	0.0091	0.031	0.0087	0.0000049	0.045	0.000016	116	0.001	0.029	0.003
14	19	26	3.3	2.1	0.39	813	0.1	0.0091	0.024	0.0070	0.0000055	0.039	0.000013	91	0.00096	0.022	0.0026
15	19	26	3.3	2.1	0.39	793	0.1	0.0091	0.023	0.0072	0.0000054	0.039	0.000012	86	0.00092	0.021	0.0026
16	18	26	3.3	2.1	0.38	777	0.1	0.0091	0.023	0.0070	0.0000055	0.039	0.000012	85	0.00092	0.020	0.0025
17	18	26	3.3	2.1	0.38	771	0.1	0.0091	0.023	0.0069	0.0000053	0.039	0.000012	85	0.0009	0.020	0.0025
18	18	26	3.3	2.1	0.37	763	0.1	0.0091	0.022	0.0068	0.0000054	0.039	0.000012	84	0.0009	0.020	0.0025
19	18	26	3.3	2.1	0.38	767	0.1	0.0091	0.023	0.0068	0.0000055	0.039	0.000012	85	0.00091	0.020	0.0025
20	18	26	3.3	2.1	0.37	761	0.1	0.0091	0.022	0.0068	0.0000056	0.039	0.000012	84	0.00092	0.020	0.0025
21	18	26	3.3	2.1	0.36	742	0.1	0.0091	0.022	0.0065	0.0000057	0.039	0.000012	84	0.00093	0.020	0.0025
22	18	26	3.3	2.1	0.37	763	0.1	0.0091	0.022	0.0068	0.0000056	0.039	0.000012	84	0.00092	0.020	0.0026
23	18	26	3.3	2.1	0.37	763	0.1	0.0091	0.022	0.0068	0.0000056	0.039	0.000012	84	0.00093	0.020	0.0026
24	18	26	3.3	2.1	0.37	761	0.1	0.0091	0.022	0.0068	0.0000056	0.039	0.000012	84	0.00093	0.020	0.0026
25	12	26	3.3	2.1	0.21	432	0.1	0.0092	0.013	0.0036	0.0000067	0.028	0.0000083	55	0.00086	0.012	0.0021
26	5.8	26	3.3	2.1	0.055	127	0.1	0.0009	0.0041	0.00069	0.0000084	0.019	0.0000052	28	0.00076	0.0040	0.00016
27	7.0	26	3.3	2.1	0.078	165	0.1	0.0009	0.0053	0.0010	0.0000091	0.021	0.0000067	34	0.0011	0.0050	0.00017
28	7.0	26	3.3	2.1	0.078	165	0.1	0.0009	0.0053	0.0010	0.0000091	0.021	0.0000067	34	0.0011	0.0050	0.00017
29	7.0	26	3.3	2.1	0.078	165	0.1	0.0009	0.0053	0.0010	0.0000091	0.021	0.0000067	34	0.0011	0.0050	0.00017
30	7.0	26	3.3	2.1	0.078	165	0.1	0.0009	0.0053	0.0010	0.0000091	0.021	0.0000067	34	0.0011	0.0050	0.00017
31	7.4	26	3.3	2.1	0.078	154	0.1	0.0092	0.0051	0.0011	0.0000085	0.022	0.0000072	32	0.0013	0.0044	0.00017
32	7.4	26	3.3	2.1	0.078	154	0.1	0.0092	0.0051	0.0011	0.0000085	0.022	0.0000072	32	0.0013	0.0044	0.00017
33	7.4	26	3.3	2.1	0.078	154	0.1	0.0092	0.0051	0.0011	0.0000085	0.022	0.0000072	32	0.0013	0.0044	0.00017
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B-2: Geochemical Source Terms, Seepage, Tailings Management Facility Pond

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-8 (Operations), Table 5-13 (Active Closure) and Table 5-16 (Passive Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-2: Geochemical Source Terms, Seepage, Tailings Management Facility Pond

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	0.014	0.00000014	5.3	0.086	0.0000083	0.030	0.00056	19	0.0027	0.000043	0.000016	0.006	0.0032	0.0017	0.00056	0.00096
1	0.014	0.00000014	5.3	0.086	0.0000083	0.030	0.00056	19	0.0027	0.000043	0.000016	0.006	0.0032	0.0017	0.00056	0.00096
2	0.019	0.00000025	7.5	0.13	0.000011	0.045	0.00097	31	0.0041	0.000065	0.000024	0.0087	0.0049	0.0024	0.00084	0.0015
3	0.019	0.00000029	7.3	0.14	0.000012	0.044	0.00098	30	0.0040	0.000069	0.000024	0.0085	0.0049	0.0027	0.00091	0.0017
4	0.018	0.00000021	7.1	0.12	0.000010	0.037	0.00091	30	0.0034	0.000058	0.000021	0.0071	0.0042	0.0026	0.00079	0.0014
5	0.018	0.00000018	6.8	0.11	0.0000093	0.036	0.00088	29	0.0032	0.000055	0.000020	0.0068	0.0041	0.0024	0.00076	0.0013
6	0.018	0.00000015	6.5	0.1	0.0000086	0.034	0.00086	28	0.0030	0.00005	0.000019	0.0066	0.0039	0.0024	0.00071	0.0012
7	0.017	0.00000012	6.2	0.1	0.0000078	0.033	0.00083	27	0.0029	0.000047	0.000019	0.0063	0.0038	0.0023	0.00066	0.00096
8	0.017	0.00000012	6.0	0.097	0.0000075	0.032	0.00082	26	0.0028	0.000046	0.000018	0.0061	0.0037	0.0023	0.00065	0.0009
9	0.017	0.00000012	5.9	0.1	0.0000073	0.031	0.00083	26	0.0028	0.000046	0.000018	0.0059	0.0037	0.0023	0.00066	0.00093
10	0.017	0.00000014	5.8	0.1	0.0000086	0.031	0.00086	26	0.0028	0.000052	0.000019	0.0059	0.0037	0.0024	0.00074	0.0012
11	0.017	0.00000015	5.8	0.1	0.0000094	0.031	0.00086	26	0.0028	0.000056	0.000019	0.0059	0.0037	0.0024	0.00078	0.0013
12	0.017	0.00000016	5.8	0.1	0.0000094	0.031	0.00086	26	0.0028	0.000056	0.000019	0.0058	0.0037	0.0024	0.00078	0.0013
13	0.016	0.00000016	5.7	0.1	0.0000093	0.031	0.00087	26	0.0028	0.000056	0.000019	0.0058	0.0037	0.0025	0.00078	0.0013
14	0.015	0.00000017	4.6	0.083	0.0000087	0.024	0.00073	20	0.0022	0.000049	0.000015	0.0045	0.0029	0.0024	0.00073	0.0013
15	0.015	0.00000017	4.6	0.08	0.0000081	0.022	0.00074	20	0.0021	0.000048	0.000015	0.0042	0.0029	0.0023	0.00074	0.0012
16	0.015	0.00000016	4.6	0.08	0.0000079	0.022	0.00073	20	0.0020	0.000047	0.000015	0.0042	0.0028	0.0023	0.00072	0.0012
17	0.015	0.00000016	4.6	0.08	0.0000077	0.022	0.00073	20	0.0020	0.000045	0.000015	0.0041	0.0028	0.0022	0.0007	0.0011
18	0.015	0.00000016	4.5	0.079	0.0000077	0.022	0.00073	20	0.0020	0.000045	0.000015	0.0041	0.0028	0.0022	0.0007	0.0011
19	0.015	0.00000016	4.5	0.08	0.0000076	0.022	0.00074	20	0.0020	0.000045	0.000015	0.0041	0.0028	0.0022	0.0007	0.0011
20	0.015	0.00000016	4.5	0.08	0.0000078	0.022	0.00074	20	0.0020	0.000045	0.000015	0.0041	0.0028	0.0022	0.00071	0.0011
21	0.014	0.00000017	4.5	0.08	0.0000078	0.021	0.00074	20	0.0020	0.000046	0.000015	0.004	0.0028	0.0023	0.00071	0.0012
22	0.015	0.00000016	4.5	0.08	0.0000078	0.022	0.00074	20	0.0020	0.000046	0.000015	0.0041	0.0028	0.0023	0.00072	0.0012
23	0.015	0.00000016	4.5	0.08	0.0000078	0.022	0.00074	20	0.0020	0.000046	0.000015	0.0041	0.0028	0.0023	0.00072	0.0012
24	0.015	0.00000016	4.5	0.08	0.0000078	0.022	0.00074	20	0.0020	0.000046	0.000015	0.0041	0.0028	0.0023	0.00072	0.0012
25	0.011	0.00000019	3.0	0.059	0.0000070	0.013	0.00058	13	0.0013	0.000039	0.000011	0.0025	0.002	0.0021	0.00067	0.0011
26	0.0081	0.00000026	1.5	0.04	0.0000061	0.0054	0.00046	6.0	0.00072	0.000033	0.000008	0.0011	0.0012	0.0019	0.00065	0.001
27	0.0086	0.00000029	2.1	0.046	0.0000076	0.0070	0.0005	7.2	0.00087	0.000039	0.000010	0.0014	0.0017	0.0029	0.00075	0.0012
28	0.0086	0.00000029	2.1	0.046	0.0000076	0.0070	0.0005	7.2	0.00087	0.000039	0.000010	0.0014	0.0017	0.0029	0.00075	0.0012
29	0.0086	0.00000029	2.1	0.046	0.0000076	0.0070	0.0005	7.2	0.00087	0.000039	0.000010	0.0014	0.0017	0.0029	0.00075	0.0012
30	0.0086	0.00000029	2.1	0.046	0.0000076	0.0070	0.0005	7.2	0.00087	0.000039	0.000010	0.0014	0.0017	0.0029	0.00075	0.0012
31	0.0086	0.00000032	0.0	2.4	0.0000091	0.0072	0.0005	7.4	0.00092	0.000047	0.000012	0.0013	0.0018	0.0034	0.00083	0.0015
32	0.0086	0.00000032	0.0	2.4	0.0000091	0.0072	0.0005	7.4	0.00092	0.000047	0.000012	0.0013	0.0018	0.0034	0.00083	0.0015
33	0.0086	0.00000032	0.0	2.4	0.0000091	0.0072	0.0005	7.4	0.00092	0.000047	0.000012	0.0013	0.0018	0.0034	0.00083	0.0015
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B-2: Geochemical Source Terms, Seepage, Tailings Management Facility Pond

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-8 (Operations), Table 5-13 (Active Closure) and Table 5-16 (Passive Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-3: Geochemical Source Terms, Seepage, Mine Water Pond

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	1.4	2.3	0.26	0.0056	0.011	1.2	0.0060	0.0003	0.00068	0.00020	0.000000035	0.0027	0.0000023	4.5	0.000043	0.000036	0.0000047
17	1.3	2.3	0.26	0.0056	0.010	1.2	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000035	0.0000055
18	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000035	0.0000055
19	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000035	0.0000055
20	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000035	0.0000055
21	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000034	0.0000055
22	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00025	0.00000004	0.0024	0.0000026	3.6	0.000045	0.000034	0.0000055
23	1.3	2.3	0.26	0.0056	0.010	1.2	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000035	0.0000055
24	1.3	2.3	0.26	0.0056	0.010	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.6	0.000045	0.000034	0.0000055
25	1.3	2.3	0.26	0.0056	0.0099	1.1	0.0060	0.0003	0.00065	0.00026	0.000000041	0.0024	0.0000026	3.5	0.000045	0.000034	0.0000056
26	1.3	2.3	0.26	0.0056	0.0098	1.1	0.0060	0.0003	0.00064	0.00026	0.000000041	0.0024	0.0000026	3.5	0.000044	0.000034	0.0000055
27	1.3	2.3	0.026	0.0056	0.011	1.2	0.0060	0.0003	0.00061	0.00021	0.000000036	0.0025	0.0000022	4.0	0.000043	0.000034	0.0000048
28	1.3	2.3	0.026	0.0056	0.011	1.2	0.0060	0.0003	0.00061	0.00021	0.000000036	0.0025	0.0000022	4.0	0.000043	0.000034	0.0000048
29	1.3	2.3	0.026	0.0056	0.011	1.2	0.0060	0.0003	0.00061	0.00021	0.000000036	0.0025	0.0000022	4.0	0.000043	0.000034	0.0000048
30	1.3	2.3	0.026	0.0056	0.011	1.2	0.0060	0.0003	0.00061	0.00021	0.000000036	0.0025	0.0000022	4.0	0.000043	0.000034	0.0000048
31	1.5	0.032	0.05	0.0052	0.011	1.3	0.0021	0.0003	0.00074	0.00028	0.000000044	0.0027	0.0000029	3.9	0.000049	0.000038	0.000006
32	1.5	0.032	0.05	0.0052	0.011	1.3	0.0021	0.0003	0.00074	0.00028	0.000000044	0.0027	0.0000029	3.9	0.000049	0.000038	0.000006
33	1.5	0.032	0.05	0.0052	0.011	1.3	0.0021	0.0003	0.00074	0.00028	0.000000044	0.0027	0.0000029	3.9	0.000049	0.000038	0.000006
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B-3: Geochemical Source Terms, Seepage, Mine Water Pond

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-9 (Operations), Table 5-14 (Active Closure) and Table 5-20 (Passive Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-3: Geochemical Source Terms, Seepage, Mine Water Pond

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	0.0096	0.000000025	1.1	0.027	0.0000072	0.00036	0.00012	0.96	0.00026	0.000036	0.000005	0.00016	0.00033	0.00041	0.00037	0.0016
17	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000045	0.00015	0.00031	0.00037	0.00044	0.0015
18	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
19	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.86	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
20	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
21	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
22	0.0092	0.000000031	0.88	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
23	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.86	0.00025	0.000035	0.0000045	0.00015	0.00031	0.00037	0.00044	0.0015
24	0.0092	0.000000031	0.87	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
25	0.0092	0.000000031	0.86	0.025	0.0000070	0.00033	0.00013	0.85	0.00025	0.000035	0.0000044	0.00015	0.00030	0.00037	0.00044	0.0015
26	0.0092	0.000000031	0.86	0.025	0.0000068	0.00032	0.00012	0.85	0.00024	0.000034	0.0000044	0.00015	0.00030	0.00036	0.00043	0.0015
27	0.0094	0.000000025	1.0	0.025	0.0000065	0.00033	0.00012	0.89	0.00023	0.000033	0.0000046	0.00014	0.00030	0.00038	0.00035	0.0014
28	0.0094	0.000000025	1.0	0.025	0.0000065	0.00033	0.00012	0.89	0.00023	0.000033	0.0000046	0.00014	0.00030	0.00038	0.00035	0.0014
29	0.0094	0.000000025	1.0	0.025	0.0000065	0.00033	0.00012	0.89	0.00023	0.000033	0.0000046	0.00014	0.00030	0.00038	0.00035	0.0014
30	0.0094	0.000000025	1.0	0.025	0.0000065	0.00033	0.00012	0.89	0.00023	0.000033	0.0000046	0.00014	0.00030	0.00038	0.00035	0.0014
31	0.0094	0.000000034	0.94	0.028	0.0000078	0.00037	0.00014	0.96	0.00028	0.000039	0.0000050	0.00017	0.00034	0.00041	0.00048	0.0017
32	0.0094	0.000000034	0.94	0.028	0.0000078	0.00037	0.00014	0.96	0.00028	0.000039	0.0000050	0.00017	0.00034	0.00041	0.00048	0.0017
33	0.0094	0.000000034	0.94	0.028	0.0000078	0.00037	0.00014	0.96	0.00028	0.000039	0.0000050	0.00017	0.00034	0.00041	0.00048	0.0017
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B-3: Geochemical Source Terms, Seepage, Mine Water Pond

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-9 (Operations), Table 5-14 (Active Closure) and Table 5-20 (Passive Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-4: Geochemical Source Terms, Seepage, Viggo Management Facility

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	30	0.063	0.1	0.01	0.014	90	0.0042	0.00028	0.0094	0.000083	0.00000056	0.065	0.000055	24	0.00028	0.00078	0.000048
28	30	0.063	0.1	0.01	0.014	90	0.0042	0.00028	0.0094	0.000083	0.00000056	0.065	0.000055	24	0.00028	0.00078	0.000048
29	30	0.063	0.1	0.01	0.014	90	0.0042	0.00028	0.0094	0.000083	0.00000056	0.065	0.000055	24	0.00028	0.00078	0.000048
30	30	0.063	0.1	0.01	0.014	90	0.0042	0.00028	0.0094	0.000083	0.00000056	0.065	0.000055	24	0.00028	0.00078	0.000048
31	29	0.063	0.1	0.01	0.014	85	0.0042	0.00028	0.009	0.000080	0.00000049	0.062	0.000050	24	0.00026	0.00074	0.000042
32	29	0.063	0.1	0.01	0.014	85	0.0042	0.00028	0.009	0.000080	0.00000049	0.062	0.000050	24	0.00026	0.00074	0.000042
33	29	0.063	0.1	0.01	0.014	85	0.0042	0.00028	0.009	0.000080	0.00000049	0.062	0.000050	24	0.00026	0.00074	0.000042
34	27	0.063	0.1	0.01	0.015	80	0.0042	0.00028	0.0084	0.000078	0.00000045	0.058	0.000045	24	0.00025	0.00069	0.000037
35	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
36	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
37	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
38	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
39	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
40	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
41	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
42	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
43	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
44	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
45	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
46	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
47	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
48	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
49	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
50	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
51	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
52	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027

Table B-4: Geochemical Source Terms, Seepage, Viggo Management Facility

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.062**	**0.02**	**0.005**	**0.011**	**1.5**	**0.0001**	**-**	**0.0089**	**0.0009**	**0.005**
53	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
54	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
55	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
56	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
57	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
58	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
59	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
60	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
61	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
62	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
63	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
64	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
65	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
66	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
67	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
68	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
69	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
70	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027
71	16	0.063	0.1	0.01	0.010	48	0.0042	0.00029	0.0049	0.000056	0.00000037	0.036	0.000027	18	0.00026	0.00046	0.000027

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-11 (Active Closure), Table 5-18 (Passive Closure) and Table 5-23 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-4: Geochemical Source Terms, Seepage, Viggo Management Facility

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.0096	0.00000020	23	0.12	0.000025	0.0055	0.009	18	0.0015	0.000073	0.000054	0.0011	0.0016	0.0028	0.0038	0.0024
28	0.0096	0.00000020	23	0.12	0.000025	0.0055	0.009	18	0.0015	0.000073	0.000054	0.0011	0.0016	0.0028	0.0038	0.0024
29	0.0096	0.00000020	23	0.12	0.000025	0.0055	0.009	18	0.0015	0.000073	0.000054	0.0011	0.0016	0.0028	0.0038	0.0024
30	0.0096	0.00000020	23	0.12	0.000025	0.0055	0.009	18	0.0015	0.000073	0.000054	0.0011	0.0016	0.0028	0.0038	0.0024
31	0.0097	0.00000018	22	0.12	0.000024	0.0053	0.0082	17	0.0014	0.000069	0.000052	0.0010	0.0015	0.0027	0.0034	0.0023
32	0.0097	0.00000018	22	0.12	0.000024	0.0053	0.0082	17	0.0014	0.000069	0.000052	0.0010	0.0015	0.0027	0.0034	0.0023
33	0.0097	0.00000018	22	0.12	0.000024	0.0053	0.0082	17	0.0014	0.000069	0.000052	0.0010	0.0015	0.0027	0.0034	0.0023
34	0.0098	0.00000016	21	0.11	0.000023	0.0051	0.0075	16	0.0013	0.000065	0.000049	0.00097	0.0015	0.0026	0.003	0.0021
35	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
36	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
37	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
38	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
39	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
40	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
41	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
42	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
43	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
44	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
45	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
46	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
47	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
48	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
49	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
50	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
51	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
52	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013

Table B-4: Geochemical Source Terms, Seepage, Viggo Management Facility

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**1**	**0.003**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.15**	**0.12**	**0.03**	**0.004**
53	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
54	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
55	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
56	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
57	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
58	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
59	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
60	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
61	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
62	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
63	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
64	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
65	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
66	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
67	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
68	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
69	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
70	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013
71	0.0090	0.00000012	13	0.077	0.000014	0.0036	0.0047	10	0.00081	0.00004	0.000029	0.00074	0.0011	0.002	0.0021	0.0013

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for baseline groundwater quality as presented in the Water Quality Baseline Report (Appendix K-1).
Seepage quality was obtained from Table 5-11 (Active Closure), Table 5-18 (Passive Closure) and Table 5-23 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-5: Geochemical Source Terms, Passive Discharge, Mine Water Pond Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.8**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000078**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
35	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
36	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
37	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
38	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
39	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
40	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
41	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
42	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
43	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
44	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
45	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
46	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
47	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
48	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
49	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
50	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
51	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
52	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015

Table B-5: Geochemical Source Terms, Passive Discharge, Mine Water Pond Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.8**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000078**	**-**	**0.0089**	**0.0009**	**0.005**
53	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
54	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
55	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
56	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
57	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
58	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
59	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
60	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
61	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
62	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
63	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
64	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
65	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
66	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
67	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
68	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
69	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
70	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015
71	2.3	0.032	0.05	0.0052	0.012	2.4	0.0021	0.033	0.00047	0.0019	0.000014	0.0077	0.0000062	7.4	0.001	0.000046	0.0015

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-1.
Discharge quality was obtained from Table 5-21 (Post-Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-5: Geochemical Source Terms, Passive Discharge, Mine Water Pond Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
35	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
36	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
37	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
38	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
39	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
40	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
41	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
42	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
43	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
44	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
45	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
46	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
47	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
48	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
49	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
50	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
51	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
52	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088

Table B-5: Geochemical Source Terms, Passive Discharge, Mine Water Pond Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
54	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
55	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
56	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
57	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
58	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
59	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
60	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
61	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
62	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
63	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
64	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
65	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
66	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
67	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
68	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
69	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
70	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088
71	0.054	0.00013	1.4	0.014	0.0000057	0.0021	0.00041	2.0	0.00034	0.000028	0.0000067	0.00025	0.00089	0.0025	0.0029	0.00088

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-1.
Discharge quality was obtained from Table 5-21 (Post-Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-6: Geochemical Source Terms, Passive Discharge, Viggo Pit Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.26**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000057**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
35	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
36	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
37	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
38	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
39	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
40	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
41	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
42	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
43	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
44	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
45	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
46	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
47	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
48	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
49	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
50	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
51	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
52	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Table B-6: Geochemical Source Terms, Passive Discharge, Viggo Pit Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.26**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000057**	**-**	**0.0089**	**0.0009**	**0.005**
53	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
54	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
55	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
56	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
57	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
58	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
59	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
60	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
61	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
62	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
63	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
64	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
65	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
66	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
67	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
68	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
69	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
70	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
71	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-2.
Discharge quality was obtained from Table 5-21 (Post-Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-6: Geochemical Source Terms, Passive Discharge, Viggo Pit Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.71**	**0.019**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
35	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
36	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
37	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
38	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
39	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
40	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
41	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
42	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
43	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
44	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
45	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
46	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
47	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
48	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
49	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
50	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
51	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
52	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Table B-6: Geochemical Source Terms, Passive Discharge, Viggo Pit Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.71**	**0.019**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
54	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
55	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
56	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
57	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
58	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
59	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
60	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
61	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
62	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
63	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
64	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
65	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
66	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
67	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
68	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
69	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
70	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
71	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-2.
Discharge quality was obtained from Table 5-21 (Post-Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-7: Geochemical Source Terms, Passive Discharge, Overburden Stockpile 1 Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.26**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000057**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
32	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
33	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
34	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
35	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
36	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
37	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
38	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
39	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
40	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
41	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
42	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
43	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
44	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
45	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
46	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
47	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
48	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
49	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
50	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
51	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
52	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Table B-7: Geochemical Source Terms, Passive Discharge, Overburden Stockpile 1 Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.26**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000057**	**-**	**0.0089**	**0.0009**	**0.005**
53	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
54	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
55	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
56	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
57	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
58	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
59	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
60	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
61	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
62	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
63	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
64	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
65	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
66	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
67	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
68	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
69	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
70	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
71	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-2.
Discharge quality was obtained from Table 5-21 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-7: Geochemical Source Terms, Passive Discharge, Overburden Stockpile 1 Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.71**	**0.019**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
32	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
33	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
34	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
35	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
36	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
37	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
38	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
39	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
40	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
41	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
42	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
43	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
44	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
45	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
46	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
47	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
48	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
49	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
50	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
51	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
52	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Table B-7: Geochemical Source Terms, Passive Discharge, Overburden Stockpile 1 Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.71**	**0.019**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
54	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
55	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
56	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
57	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
58	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
59	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
60	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
61	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
62	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
63	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
64	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
65	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
66	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
67	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
68	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
69	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
70	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
71	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-2.
Discharge quality was obtained from Table 5-21 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-8: Geochemical Source Terms, Passive Discharge, Advanced Exploration Program Pond Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.8**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000078**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
35	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
36	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
37	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
38	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
39	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
40	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
41	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
42	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
43	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
44	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
45	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
46	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
47	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
48	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
49	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
50	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
51	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
52	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Table B-8: Geochemical Source Terms, Passive Discharge, Advanced Exploration Program Pond Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.8**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000078**	**-**	**0.0089**	**0.0009**	**0.005**
53	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
54	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
55	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
56	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
57	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
58	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
59	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
60	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
61	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
62	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
63	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
64	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
65	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
66	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
67	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
68	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
69	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
70	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095
71	0.74	0.032	0.05	0.0052	0.034	1.0	0.0021	0.052	0.00015	0.0018	0.00001	0.005	0.0000025	14	0.00026	0.000079	0.00095

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node DIX-2.
Discharge quality was obtained from Table 5-21 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-8: Geochemical Source Terms, Passive Discharge, Advanced Exploration Program Pond Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
35	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
36	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
37	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
38	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
39	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
40	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
41	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
42	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
43	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
44	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
45	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
46	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
47	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
48	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
49	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
50	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
51	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
52	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Table B-8: Geochemical Source Terms, Passive Discharge, Advanced Exploration Program Pond Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
54	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
55	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
56	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
57	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
58	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
59	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
60	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
61	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
62	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
63	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
64	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
65	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
66	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
67	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
68	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
69	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
70	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064
71	0.35	0.000075	4.2	0.019	0.0000025	0.00028	0.0007	1.3	0.00011	0.000011	0.000005	0.00005	0.00026	0.00064	0.001	0.00064

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node DIX-2.
Discharge quality was obtained from Table 5-21 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-9: Geochemical Source Terms, Passive Discharge, LP Central Pit Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.82**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000072**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	4.0	0.063	0.1	0.01	0.0056	50	0.0042	0.0015	0.0014	0.00045	0.000000085	0.014	0.00019	17	0.00012	0.0043	0.00063
35	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
36	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
37	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
38	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
39	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
40	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
41	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
42	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
43	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
44	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
45	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
46	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
47	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
48	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
49	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
50	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
51	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
52	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072

Table B-9: Geochemical Source Terms, Passive Discharge, LP Central Pit Watershed

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.82**	**0.02**	**0.005**	**0.011**	**1.5**	**0.000072**	**-**	**0.0089**	**0.0009**	**0.005**
53	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
54	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
55	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
56	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
57	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
58	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
59	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
60	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
61	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
62	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
63	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
64	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
65	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
66	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
67	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
68	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
69	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
70	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072
71	3.7	0.063	0.1	0.01	0.012	21	0.0021	0.0017	0.0014	0.0036	0.00000017	0.010	0.00030	19	0.00017	0.0014	0.00072

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node DIX-3.
Discharge quality was obtained from Table 5-24 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-9: Geochemical Source Terms, Passive Discharge, LP Central Pit Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.011	0.000013	2.9	0.12	0.0000054	0.0016	0.0084	3.0	0.00036	0.000041	0.000018	0.00053	0.00085	0.0013	0.025	0.0014
35	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
36	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
37	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
38	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
39	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
40	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
41	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
42	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
43	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
44	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
45	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
46	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
47	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
48	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
49	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
50	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
51	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
52	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028

Table B-9: Geochemical Source Terms, Passive Discharge, LP Central Pit Watershed

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.8**	**0.016**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
54	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
55	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
56	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
57	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
58	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
59	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
60	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
61	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
62	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
63	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
64	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
65	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
66	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
67	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
68	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
69	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
70	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028
71	0.013	0.000051	3.4	0.081	0.000013	0.0019	0.0033	3.0	0.0013	0.000070	0.000014	0.00063	0.0010	0.0016	0.016	0.0028

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node DIX-3.
Discharge quality was obtained from Table 5-24 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-10: Geochemical Source Terms, Passive Discharge, Decommissioned Tailings Management Facility Seepage Collection Pump Stations 2 and 3

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.56**	**0.02**	**0.005**	**0.011**	**1.5**	**0.00007**	**-**	**0.0089**	**0.0009**	**0.005**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
32	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
33	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
34	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
35	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
36	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
37	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
38	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
39	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
40	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
41	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
42	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
43	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
44	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
45	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
46	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
47	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
48	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
49	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
50	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
51	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
52	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015

Table B-10: Geochemical Source Terms, Passive Discharge, Decommissioned Tailings Management Facility Seepage Collection Pump Stations 2 and 3

Year	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)
WQG PAL	**120**	**1.8**	**3**	**0.06**	**0.03**	**218**	**0.005**	**0.56**	**0.02**	**0.005**	**0.011**	**1.5**	**0.00007**	**-**	**0.0089**	**0.0009**	**0.005**
53	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
54	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
55	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
56	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
57	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
58	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
59	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
60	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
61	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
62	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
63	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
64	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
65	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
66	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
67	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
68	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
69	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
70	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015
71	19	0.057	0.091	0.0093	0.025	71	0.0037	0.013	0.0031	0.00085	0.000064	0.069	0.00003	59	0.003	0.0025	0.0015

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-4.
Discharge quality was obtained from Table 5-21 (Post Closure) and Table 5-22 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-10: Geochemical Source Terms, Passive Discharge, Decommissioned Tailings Management Facility Seepage Collection Pump Stations 2 and 3

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.78**	**0.015**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
32	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
33	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
34	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
35	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
36	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
37	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
38	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
39	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
40	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
41	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
42	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
43	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
44	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
45	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
46	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
47	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
48	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
49	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
50	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
51	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
52	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058

Table B-10: Geochemical Source Terms, Passive Discharge, Decommissioned Tailings Management Facility Seepage Collection Pump Stations 2 and 3

Year	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)
WQG PAL	**0.78**	**0.015**	**-**	**-**	**0.000026**	**31**	**0.025**	**-**	**0.002**	**0.00025**	**0.008**	**0.03**	**0.015**	**0.12**	**0.03**	**0.004**
53	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
54	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
55	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
56	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
57	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
58	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
59	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
60	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
61	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
62	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
63	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
64	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
65	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
66	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
67	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
68	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
69	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
70	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058
71	0.017	0.000029	1.5	0.14	0.00003	0.0084	0.0025	17	0.0021	0.00016	0.000028	0.0018	0.0039	0.0076	0.0078	0.0058

Notes:
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life (WQG PAL).
WQG PAL applied here were calculated for receiver water quality modelling node UN-4.
Discharge quality was obtained from Table 5-21 (Post Closure) and Table 5-22 (Post Closure) of the Mine Site Water Quality Estimate (WSP 2025b).

Table B-11: Geochemical Source Terms, Dustfall Loadings, Chukuni River (CHK-1)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0011	0.0074	-	0.17	0.0000070	0.0013	0.0000022	0.0000051	0.000023	0.067	0.00016	0.000063	0.00046	0.14	0.00080
Construction	February	0.0012	0.0077	-	0.18	0.0000072	0.0014	0.0000023	0.0000052	0.000024	0.069	0.00016	0.000065	0.00048	0.14	0.00083
Construction	March	0.0011	0.0074	-	0.17	0.000007	0.0013	0.0000022	0.0000051	0.000023	0.067	0.00016	0.000063	0.00046	0.13	0.00080
Construction	April	0.00096	0.0063	-	0.15	0.000006	0.0011	0.0000019	0.0000043	0.000020	0.057	0.00014	0.000054	0.00039	0.12	0.00068
Construction	May	0.0011	0.0071	-	0.16	0.0000067	0.0013	0.0000021	0.0000048	0.000022	0.064	0.00015	0.000060	0.00044	0.13	0.00076
Construction	June	0.0012	0.0080	-	0.18	0.0000076	0.0014	0.0000024	0.0000055	0.000025	0.072	0.00017	0.000068	0.00050	0.15	0.00087
Construction	July	0.00099	0.0065	-	0.15	0.0000062	0.0012	0.0000019	0.0000045	0.000020	0.059	0.00014	0.000055	0.00041	0.12	0.00070
Construction	August	0.0011	0.0070	-	0.16	0.0000067	0.0013	0.0000021	0.0000048	0.000022	0.064	0.00015	0.000059	0.00044	0.13	0.00076
Construction	September	0.0011	0.0072	-	0.16	0.0000068	0.0013	0.0000021	0.0000049	0.000022	0.065	0.00015	0.000060	0.00045	0.13	0.00077
Construction	October	0.0013	0.0088	-	0.20	0.0000083	0.0016	0.0000026	0.000006	0.000027	0.079	0.00019	0.000074	0.00054	0.16	0.00094
Construction	November	0.0012	0.0081	-	0.19	0.0000076	0.0014	0.0000024	0.0000055	0.000025	0.073	0.00017	0.000068	0.00050	0.15	0.00087
Construction	December	0.0012	0.0077	-	0.18	0.0000073	0.0014	0.0000023	0.0000053	0.000024	0.069	0.00016	0.000065	0.00048	0.14	0.00083
Operations	January	0.0011	0.0070	-	0.16	0.0000066	0.0012	0.0000021	0.0000048	0.000022	0.063	0.00015	0.000059	0.00043	0.13	0.00075
Operations	February	0.0011	0.0073	-	0.17	0.0000069	0.0013	0.0000022	0.000005	0.000023	0.066	0.00016	0.000061	0.00045	0.13	0.00078
Operations	March	0.0011	0.0070	-	0.16	0.0000066	0.0012	0.0000021	0.0000048	0.000022	0.063	0.00015	0.000059	0.00043	0.13	0.00075
Operations	April	0.00090	0.0059	-	0.14	0.0000056	0.0011	0.0000018	0.0000041	0.000019	0.053	0.00013	0.000050	0.00037	0.11	0.00064
Operations	May	0.0010	0.0066	-	0.15	0.0000063	0.0012	0.0000020	0.0000045	0.000021	0.060	0.00014	0.000056	0.00041	0.12	0.00072
Operations	June	0.0011	0.0075	-	0.17	0.0000071	0.0013	0.0000022	0.0000051	0.000024	0.068	0.00016	0.000063	0.00047	0.14	0.00081
Operations	July	0.00092	0.0061	-	0.14	0.0000058	0.0011	0.0000018	0.0000042	0.000019	0.055	0.00013	0.000052	0.00038	0.11	0.00066
Operations	August	0.0010	0.0067	-	0.15	0.0000063	0.0012	0.000002	0.0000046	0.000021	0.060	0.00014	0.000056	0.00042	0.12	0.00072
Operations	September	0.0010	0.0067	-	0.15	0.0000063	0.0012	0.0000020	0.0000046	0.000021	0.060	0.00014	0.000057	0.00042	0.12	0.00072
Operations	October	0.0012	0.0082	-	0.19	0.0000078	0.0015	0.0000024	0.0000056	0.000026	0.074	0.00018	0.000069	0.00051	0.15	0.00089
Operations	November	0.0011	0.0076	-	0.17	0.0000071	0.0013	0.0000022	0.0000052	0.000024	0.068	0.00016	0.000064	0.00047	0.14	0.00082
Operations	December	0.0011	0.0072	-	0.17	0.0000068	0.0013	0.0000022	0.0000049	0.000023	0.065	0.00015	0.000061	0.00045	0.13	0.00078

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (70,809,034 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-11: Geochemical Source Terms, Dustfall Loadings, Chukuni River (CHK-1)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.027	0.0028	0.00000032	0.0000075	0.00035	0.047	0.0000054	0.0000047	0.0000011	0.000010	0.0000038	0.00020	0.0039	0.00031
Construction	February	0.027	0.0029	0.00000033	0.0000078	0.00036	0.048	0.0000056	0.0000049	0.0000011	0.000011	0.0000039	0.00021	0.0040	0.00032
Construction	March	0.026	0.0028	0.00000032	0.0000075	0.00035	0.047	0.0000054	0.0000047	0.0000011	0.000010	0.0000038	0.00020	0.0038	0.00031
Construction	April	0.023	0.0024	0.00000027	0.0000064	0.00030	0.040	0.0000046	0.000004	0.00000093	0.0000089	0.0000032	0.00017	0.0033	0.00026
Construction	May	0.025	0.0026	0.0000003	0.0000072	0.00034	0.044	0.0000051	0.0000045	0.0000010	0.000010	0.0000036	0.00019	0.0037	0.00029
Construction	June	0.029	0.0030	0.00000034	0.0000081	0.00038	0.050	0.0000058	0.0000051	0.0000012	0.000011	0.0000041	0.00022	0.0042	0.00033
Construction	July	0.023	0.0024	0.00000028	0.0000066	0.00031	0.041	0.0000047	0.0000041	0.00000095	0.0000092	0.0000033	0.00018	0.0034	0.00027
Construction	August	0.025	0.0026	0.00000030	0.0000071	0.00034	0.044	0.0000051	0.0000045	0.0000010	0.0000099	0.0000036	0.00019	0.0037	0.00029
Construction	September	0.026	0.0027	0.00000031	0.0000073	0.00034	0.045	0.0000052	0.0000045	0.0000010	0.000010	0.0000036	0.00020	0.0037	0.00030
Construction	October	0.031	0.0033	0.00000037	0.0000089	0.00042	0.055	0.0000063	0.0000055	0.0000013	0.000012	0.0000044	0.00024	0.0045	0.00036
Construction	November	0.029	0.0030	0.00000034	0.0000082	0.00038	0.051	0.0000059	0.0000051	0.0000012	0.000011	0.0000041	0.00022	0.0042	0.00033
Construction	December	0.027	0.0029	0.00000033	0.0000078	0.00037	0.048	0.0000056	0.0000049	0.0000011	0.000011	0.0000039	0.00021	0.0040	0.00032
Operations	January	0.025	0.0026	0.00000030	0.0000071	0.00033	0.044	0.000005	0.0000044	0.0000010	0.0000098	0.0000035	0.00019	0.0036	0.00029
Operations	February	0.026	0.0027	0.00000031	0.0000074	0.00035	0.046	0.0000053	0.0000046	0.0000011	0.000010	0.0000037	0.00020	0.0038	0.00030
Operations	March	0.025	0.0026	0.00000030	0.0000071	0.00033	0.044	0.0000051	0.0000044	0.0000010	0.0000099	0.0000035	0.00019	0.0036	0.00029
Operations	April	0.021	0.0022	0.00000025	0.000006	0.00028	0.037	0.0000043	0.0000038	0.00000087	0.0000084	0.0000030	0.00016	0.0031	0.00025
Operations	May	0.024	0.0025	0.00000028	0.0000067	0.00032	0.042	0.0000048	0.0000042	0.00000097	0.0000094	0.0000034	0.00018	0.0034	0.00027
Operations	June	0.027	0.0028	0.00000032	0.0000076	0.00036	0.047	0.0000054	0.0000048	0.0000011	0.000011	0.0000038	0.00021	0.0039	0.00031
Operations	July	0.022	0.0023	0.00000026	0.0000062	0.00029	0.038	0.0000044	0.0000039	0.00000089	0.0000086	0.0000031	0.00017	0.0032	0.00025
Operations	August	0.024	0.0025	0.00000028	0.0000068	0.00032	0.042	0.0000048	0.0000042	0.00000098	0.0000094	0.0000034	0.00018	0.0035	0.00028
Operations	September	0.024	0.0025	0.00000029	0.0000068	0.00032	0.042	0.0000049	0.0000042	0.00000098	0.0000095	0.0000034	0.00018	0.0035	0.00028
Operations	October	0.029	0.0031	0.00000035	0.0000083	0.00039	0.052	0.000006	0.0000052	0.0000012	0.000012	0.0000042	0.00023	0.0043	0.00034
Operations	November	0.027	0.0028	0.00000032	0.0000077	0.00036	0.047	0.0000055	0.0000048	0.0000011	0.000011	0.0000038	0.00021	0.0039	0.00031
Operations	December	0.026	0.0027	0.00000031	0.0000073	0.00034	0.045	0.0000052	0.0000046	0.0000011	0.000010	0.0000037	0.00020	0.0037	0.00030

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (70,809,034 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-12: Geochemical Source Terms, Dustfall Loadings, Chukuni River (CHK-2)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000016	0.00010	-	0.0024	0.000000098	0.000018	0.000000031	0.000000071	0.00000032	0.00093	0.0000022	0.00000087	0.0000064	0.0019	0.0000110
Construction	February	0.000015	0.000097	-	0.0022	0.000000092	0.000017	0.000000029	0.000000066	0.00000030	0.00087	0.0000021	0.00000082	0.0000060	0.0018	0.00001
Construction	March	0.000015	0.000098	-	0.0023	0.000000093	0.000017	0.000000029	0.000000067	0.00000031	0.00088	0.0000021	0.00000083	0.0000061	0.0018	0.000011
Construction	April	0.000012	0.000079	-	0.0018	0.000000075	0.000014	0.000000023	0.000000054	0.00000025	0.00071	0.0000017	0.00000067	0.0000049	0.0014	0.0000085
Construction	May	0.000012	0.000078	-	0.0018	0.000000074	0.000014	0.000000023	0.000000053	0.00000024	0.00070	0.0000017	0.00000066	0.0000048	0.0014	0.0000084
Construction	June	0.000014	0.000096	-	0.0022	0.000000091	0.000017	0.000000028	0.000000065	0.00000030	0.00086	0.0000020	0.00000081	0.0000060	0.0017	0.000010
Construction	July	0.000014	0.000095	-	0.0022	0.00000009	0.000017	0.000000028	0.000000065	0.00000030	0.00086	0.0000020	0.00000080	0.0000059	0.0017	0.000010
Construction	August	0.000013	0.000089	-	0.0020	0.000000084	0.000016	0.000000026	0.000000061	0.00000028	0.0008	0.0000019	0.00000075	0.0000055	0.0016	0.0000096
Construction	September	0.000015	0.000099	-	0.0023	0.000000093	0.000018	0.000000029	0.000000067	0.00000031	0.00089	0.0000021	0.00000083	0.0000061	0.0018	0.000011
Construction	October	0.000017	0.00011	-	0.0025	0.00000010	0.000019	0.000000033	0.000000075	0.00000034	0.00099	0.0000023	0.00000093	0.0000068	0.002	0.000012
Construction	November	0.000017	0.00012	-	0.0027	0.00000011	0.000021	0.000000034	0.000000079	0.00000036	0.0010	0.0000025	0.00000097	0.0000072	0.0021	0.000012
Construction	December	0.000015	0.000097	-	0.0022	0.000000092	0.000017	0.000000029	0.000000067	0.00000031	0.00088	0.0000021	0.00000082	0.0000061	0.0018	0.000011
Operations	January	0.0000096	0.000063	-	0.0015	0.000000060	0.000011	0.000000019	0.000000043	0.00000020	0.00057	0.0000014	0.00000054	0.0000039	0.0012	0.0000068
Operations	February	0.0000089	0.000059	-	0.0014	0.000000056	0.000010	0.000000018	0.00000004	0.00000019	0.00053	0.0000013	0.00000050	0.0000037	0.0011	0.0000064
Operations	March	0.0000095	0.000063	-	0.0014	0.000000059	0.000011	0.000000019	0.000000043	0.00000020	0.00057	0.0000013	0.00000053	0.0000039	0.0011	0.0000068
Operations	April	0.0000075	0.000050	-	0.0011	0.000000047	0.0000089	0.000000015	0.000000034	0.00000016	0.00045	0.0000011	0.00000042	0.0000031	0.00091	0.0000054
Operations	May	0.0000074	0.000049	-	0.0011	0.000000046	0.0000087	0.000000015	0.000000034	0.00000015	0.00044	0.0000010	0.00000041	0.0000030	0.00089	0.0000053
Operations	June	0.0000090	0.000059	-	0.0014	0.000000056	0.000011	0.000000018	0.00000004	0.00000019	0.00053	0.0000013	0.00000050	0.0000037	0.0011	0.0000064
Operations	July	0.0000090	0.000060	-	0.0014	0.000000056	0.000011	0.000000018	0.000000041	0.00000019	0.00054	0.0000013	0.00000050	0.0000037	0.0011	0.0000064
Operations	August	0.0000084	0.000056	-	0.0013	0.000000053	0.0000099	0.000000017	0.000000038	0.00000018	0.00050	0.0000012	0.00000047	0.0000035	0.001	0.000006
Operations	September	0.0000094	0.000062	-	0.0014	0.000000059	0.000011	0.000000019	0.000000043	0.00000020	0.00056	0.0000013	0.00000053	0.0000039	0.0011	0.0000067
Operations	October	0.000011	0.000071	-	0.0016	0.000000067	0.000013	0.000000021	0.000000049	0.00000022	0.00064	0.0000015	0.00000060	0.0000044	0.0013	0.0000077
Operations	November	0.000011	0.000075	-	0.0017	0.000000071	0.000013	0.000000022	0.000000052	0.00000024	0.00068	0.0000016	0.00000064	0.0000047	0.0014	0.0000081
Operations	December	0.0000089	0.000059	-	0.0014	0.000000056	0.00001	0.000000018	0.00000004	0.00000019	0.00053	0.0000013	0.00000050	0.0000037	0.0011	0.0000064

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (534,743 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-12: Geochemical Source Terms, Dustfall Loadings, Chukuni River (CHK-2)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00037	0.000039	0.0000000044	0.00000010	0.0000049	0.00065	0.000000075	0.000000065	0.000000015	0.00000015	0.000000052	0.0000028	0.000054	0.0000043
Construction	February	0.00035	0.000036	0.0000000041	0.000000098	0.0000046	0.00061	0.000000070	0.000000061	0.000000014	0.00000014	0.000000049	0.0000027	0.000050	0.0000040
Construction	March	0.00035	0.000037	0.0000000042	0.000000099	0.0000047	0.00061	0.000000071	0.000000062	0.000000014	0.00000014	0.000000050	0.0000027	0.000051	0.0000040
Construction	April	0.00028	0.000029	0.0000000034	0.00000008	0.0000038	0.00050	0.000000057	0.000000050	0.000000012	0.00000011	0.00000004	0.0000022	0.000041	0.0000033
Construction	May	0.00028	0.000029	0.0000000033	0.000000079	0.0000037	0.00049	0.000000056	0.000000049	0.000000011	0.00000011	0.000000039	0.0000021	0.00004	0.0000032
Construction	June	0.00034	0.000036	0.0000000041	0.000000097	0.0000046	0.00060	0.000000069	0.000000061	0.000000014	0.00000014	0.000000049	0.0000026	0.00005	0.0000040
Construction	July	0.00034	0.000036	0.0000000041	0.000000097	0.0000045	0.00060	0.000000069	0.000000060	0.000000014	0.00000013	0.000000048	0.0000026	0.000049	0.0000039
Construction	August	0.00032	0.000033	0.0000000038	0.00000009	0.0000042	0.00056	0.000000064	0.000000056	0.000000013	0.00000013	0.000000045	0.0000024	0.000046	0.0000037
Construction	September	0.00035	0.000037	0.0000000042	0.00000010	0.0000047	0.00062	0.000000072	0.000000063	0.000000014	0.00000014	0.000000050	0.0000027	0.000051	0.0000041
Construction	October	0.00039	0.000041	0.0000000047	0.00000011	0.0000052	0.00069	0.00000008	0.000000070	0.000000016	0.00000015	0.000000056	0.0000030	0.000057	0.0000045
Construction	November	0.00041	0.000043	0.0000000049	0.00000012	0.0000055	0.00073	0.000000084	0.000000073	0.000000017	0.00000016	0.000000059	0.0000032	0.000060	0.0000048
Construction	December	0.00035	0.000036	0.0000000042	0.000000099	0.0000046	0.00061	0.000000071	0.000000062	0.000000014	0.00000014	0.000000049	0.0000027	0.000050	0.000004
Operations	January	0.00023	0.000024	0.0000000027	0.000000064	0.0000030	0.00040	0.000000046	0.000000040	0.0000000093	0.000000090	0.000000032	0.0000017	0.000033	0.0000026
Operations	February	0.00021	0.000022	0.0000000025	0.000000060	0.0000028	0.00037	0.000000043	0.000000037	0.0000000086	0.000000083	0.000000030	0.0000016	0.000031	0.0000024
Operations	March	0.00022	0.000023	0.0000000027	0.000000064	0.000003	0.00039	0.000000046	0.000000040	0.0000000092	0.000000089	0.000000032	0.0000017	0.000033	0.0000026
Operations	April	0.00018	0.000019	0.0000000021	0.000000050	0.0000024	0.00031	0.000000036	0.000000032	0.0000000073	0.000000070	0.000000025	0.0000014	0.000026	0.0000021
Operations	May	0.00018	0.000018	0.0000000021	0.000000050	0.0000023	0.00031	0.000000036	0.000000031	0.0000000072	0.000000069	0.000000025	0.0000013	0.000025	0.0000020
Operations	June	0.00021	0.000022	0.0000000025	0.000000060	0.0000028	0.00037	0.000000043	0.000000038	0.0000000087	0.000000084	0.000000030	0.0000016	0.000031	0.0000024
Operations	July	0.00021	0.000022	0.0000000025	0.000000060	0.0000028	0.00037	0.000000043	0.000000038	0.0000000087	0.000000084	0.000000030	0.0000016	0.000031	0.0000025
Operations	August	0.00020	0.000021	0.0000000024	0.000000056	0.0000027	0.00035	0.000000040	0.000000035	0.0000000082	0.000000079	0.000000028	0.0000015	0.000029	0.0000023
Operations	September	0.00022	0.000023	0.0000000027	0.000000063	0.0000030	0.00039	0.000000045	0.000000039	0.0000000091	0.000000088	0.000000032	0.0000017	0.000032	0.0000026
Operations	October	0.00025	0.000027	0.0000000030	0.000000072	0.0000034	0.00045	0.000000052	0.000000045	0.000000010	0.00000010	0.000000036	0.0000020	0.000037	0.0000029
Operations	November	0.00027	0.000028	0.0000000032	0.000000076	0.0000036	0.00047	0.000000055	0.000000048	0.000000011	0.00000011	0.000000038	0.0000021	0.000039	0.0000031
Operations	December	0.00021	0.000022	0.0000000025	0.000000060	0.0000028	0.00037	0.000000043	0.000000037	0.0000000086	0.000000083	0.000000030	0.0000016	0.000031	0.0000024

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (534,743 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-13: Geochemical Source Terms, Dustfall Loadings, Dixie Lake (DIX-1)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0001	0.00069	-	0.016	0.00000065	0.00012	0.0000002	0.00000047	0.0000022	0.0062	0.000015	0.0000058	0.000043	0.013	0.000074
Construction	February	0.000095	0.00063	-	0.015	0.0000006	0.00011	0.00000019	0.00000043	0.000002	0.0057	0.000013	0.0000053	0.000039	0.011	0.000068
Construction	March	0.0001	0.00067	-	0.016	0.00000064	0.00012	0.0000002	0.00000046	0.0000021	0.0061	0.000014	0.0000057	0.000042	0.012	0.000073
Construction	April	0.00012	0.00081	-	0.019	0.00000077	0.00014	0.00000024	0.00000055	0.0000025	0.0073	0.000017	0.0000068	0.00005	0.015	0.000087
Construction	May	0.0001	0.00069	-	0.016	0.00000065	0.00012	0.0000002	0.00000047	0.0000022	0.0062	0.000015	0.0000058	0.000043	0.012	0.000074
Construction	June	0.000083	0.00055	-	0.013	0.00000052	0.000097	0.00000016	0.00000037	0.0000017	0.0049	0.000012	0.0000046	0.000034	0.01	0.000059
Construction	July	0.00008	0.00053	-	0.012	0.0000005	0.000094	0.00000016	0.00000036	0.0000017	0.0047	0.000011	0.0000044	0.000033	0.0096	0.000057
Construction	August	0.000078	0.00052	-	0.012	0.00000049	0.000092	0.00000015	0.00000035	0.0000016	0.0047	0.000011	0.0000044	0.000032	0.0094	0.000056
Construction	September	0.000086	0.00057	-	0.013	0.00000053	0.0001	0.00000017	0.00000039	0.0000018	0.0051	0.000012	0.0000048	0.000035	0.01	0.000061
Construction	October	0.000088	0.00058	-	0.013	0.00000055	0.0001	0.00000017	0.0000004	0.0000018	0.0053	0.000012	0.0000049	0.000036	0.011	0.000063
Construction	November	0.000098	0.00065	-	0.015	0.00000061	0.00012	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000055	0.00004	0.012	0.00007
Construction	December	0.000095	0.00063	-	0.014	0.00000059	0.00011	0.00000019	0.00000043	0.000002	0.0056	0.000013	0.0000053	0.000039	0.011	0.000068
Operations	January	0.000097	0.00064	-	0.015	0.00000061	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000054	0.00004	0.012	0.000069
Operations	February	0.00009	0.0006	-	0.014	0.00000056	0.00011	0.00000018	0.00000041	0.0000019	0.0054	0.000013	0.000005	0.000037	0.011	0.000064
Operations	March	0.000096	0.00064	-	0.015	0.0000006	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000054	0.00004	0.012	0.000069
Operations	April	0.00011	0.00075	-	0.017	0.00000071	0.00013	0.00000022	0.00000051	0.0000024	0.0067	0.000016	0.0000063	0.000047	0.014	0.000081
Operations	May	0.000095	0.00063	-	0.015	0.0000006	0.00011	0.00000019	0.00000043	0.000002	0.0057	0.000013	0.0000053	0.000039	0.011	0.000068
Operations	June	0.000078	0.00052	-	0.012	0.00000049	0.000092	0.00000015	0.00000035	0.0000016	0.0047	0.000011	0.0000044	0.000032	0.0094	0.000056
Operations	July	0.000074	0.00049	-	0.011	0.00000046	0.000087	0.00000015	0.00000034	0.0000015	0.0044	0.00001	0.0000041	0.00003	0.0089	0.000053
Operations	August	0.000075	0.00049	-	0.011	0.00000047	0.000088	0.00000015	0.00000034	0.0000015	0.0044	0.000011	0.0000042	0.000031	0.009	0.000053
Operations	September	0.000081	0.00053	-	0.012	0.0000005	0.000095	0.00000016	0.00000037	0.0000017	0.0048	0.000011	0.0000045	0.000033	0.0097	0.000058
Operations	October	0.000084	0.00056	-	0.013	0.00000053	0.000099	0.00000017	0.00000038	0.0000018	0.005	0.000012	0.0000047	0.000035	0.01	0.00006
Operations	November	0.000092	0.00061	-	0.014	0.00000058	0.00011	0.00000018	0.00000042	0.0000019	0.0055	0.000013	0.0000052	0.000038	0.011	0.000066
Operations	December	0.00009	0.00059	-	0.014	0.00000056	0.00011	0.00000018	0.00000041	0.0000019	0.0053	0.000013	0.000005	0.000037	0.011	0.000064

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (4,338,094 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-13: Geochemical Source Terms, Dustfall Loadings, Dixie Lake (DIX-1)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0025	0.00026	0.000000029	0.0000007	0.000033	0.0043	0.0000005	0.00000044	0.0000001	0.00000097	0.00000035	0.000019	0.00036	0.000028
Construction	February	0.0023	0.00024	0.000000027	0.00000064	0.00003	0.004	0.00000046	0.0000004	0.000000092	0.00000089	0.00000032	0.000017	0.00033	0.000026
Construction	March	0.0024	0.00025	0.000000029	0.00000068	0.000032	0.0042	0.00000049	0.00000043	0.000000099	0.00000095	0.00000034	0.000018	0.00035	0.000028
Construction	April	0.0029	0.0003	0.000000035	0.00000082	0.000039	0.0051	0.00000059	0.00000051	0.00000012	0.0000011	0.00000041	0.000022	0.00042	0.000033
Construction	May	0.0024	0.00026	0.000000029	0.00000069	0.000033	0.0043	0.0000005	0.00000043	0.0000001	0.00000097	0.00000035	0.000019	0.00035	0.000028
Construction	June	0.002	0.0002	0.000000023	0.00000056	0.000026	0.0034	0.0000004	0.00000035	0.00000008	0.00000077	0.00000028	0.000015	0.00028	0.000023
Construction	July	0.0019	0.0002	0.000000022	0.00000053	0.000025	0.0033	0.00000038	0.00000033	0.000000077	0.00000074	0.00000027	0.000014	0.00027	0.000022
Construction	August	0.0018	0.00019	0.000000022	0.00000052	0.000025	0.0032	0.00000037	0.00000033	0.000000076	0.00000073	0.00000026	0.000014	0.00027	0.000021
Construction	September	0.002	0.00021	0.000000024	0.00000057	0.000027	0.0036	0.00000041	0.00000036	0.000000083	0.0000008	0.00000029	0.000016	0.00029	0.000023
Construction	October	0.0021	0.00022	0.000000025	0.00000059	0.000028	0.0037	0.00000042	0.00000037	0.000000086	0.00000082	0.0000003	0.000016	0.0003	0.000024
Construction	November	0.0023	0.00024	0.000000028	0.00000066	0.000031	0.0041	0.00000047	0.00000041	0.000000095	0.00000091	0.00000033	0.000018	0.00034	0.000027
Construction	December	0.0022	0.00023	0.000000027	0.00000063	0.00003	0.0039	0.00000045	0.0000004	0.000000092	0.00000088	0.00000032	0.000017	0.00032	0.000026
Operations	January	0.0023	0.00024	0.000000027	0.00000065	0.000031	0.004	0.00000047	0.00000041	0.000000094	0.00000091	0.00000033	0.000018	0.00033	0.000027
Operations	February	0.0021	0.00022	0.000000025	0.0000006	0.000028	0.0037	0.00000043	0.00000038	0.000000087	0.00000084	0.0000003	0.000016	0.00031	0.000025
Operations	March	0.0023	0.00024	0.000000027	0.00000065	0.00003	0.004	0.00000046	0.0000004	0.000000093	0.0000009	0.00000032	0.000017	0.00033	0.000026
Operations	April	0.0027	0.00028	0.000000032	0.00000076	0.000036	0.0047	0.00000054	0.00000047	0.00000011	0.0000011	0.00000038	0.000021	0.00039	0.000031
Operations	May	0.0023	0.00024	0.000000027	0.00000064	0.00003	0.004	0.00000046	0.0000004	0.000000092	0.00000089	0.00000032	0.000017	0.00033	0.000026
Operations	June	0.0018	0.00019	0.000000022	0.00000053	0.000025	0.0033	0.00000038	0.00000033	0.000000076	0.00000073	0.00000026	0.000014	0.00027	0.000021
Operations	July	0.0017	0.00018	0.000000021	0.0000005	0.000023	0.0031	0.00000036	0.00000031	0.000000072	0.00000069	0.00000025	0.000013	0.00025	0.00002
Operations	August	0.0018	0.00018	0.000000021	0.0000005	0.000023	0.0031	0.00000036	0.00000031	0.000000072	0.0000007	0.00000025	0.000014	0.00026	0.00002
Operations	September	0.0019	0.0002	0.000000023	0.00000054	0.000025	0.0034	0.00000039	0.00000034	0.000000078	0.00000075	0.00000027	0.000015	0.00028	0.000022
Operations	October	0.002	0.00021	0.000000024	0.00000057	0.000027	0.0035	0.0000004	0.00000035	0.000000082	0.00000079	0.00000028	0.000015	0.00029	0.000023
Operations	November	0.0022	0.00023	0.000000026	0.00000062	0.000029	0.0038	0.00000044	0.00000039	0.000000089	0.00000086	0.00000031	0.000017	0.00032	0.000025
Operations	December	0.0021	0.00022	0.000000025	0.0000006	0.000028	0.0037	0.00000043	0.00000038	0.000000087	0.00000084	0.0000003	0.000016	0.00031	0.000025

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (4,338,094 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-14: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-2)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.00001	0.000066	-	0.0015	0.000000063	0.000012	0.00000002	0.000000045	0.00000021	0.0006	0.0000014	0.00000056	0.0000041	0.0012	0.0000072
Construction	February	0.000009	0.00006	-	0.0014	0.000000056	0.000011	0.000000018	0.000000041	0.00000019	0.00054	0.0000013	0.0000005	0.0000037	0.0011	0.0000064
Construction	March	0.0000099	0.000066	-	0.0015	0.000000062	0.000012	0.00000002	0.000000045	0.00000021	0.00059	0.0000014	0.00000056	0.0000041	0.0012	0.0000071
Construction	April	0.000011	0.000074	-	0.0017	0.00000007	0.000013	0.000000022	0.000000051	0.00000023	0.00067	0.0000016	0.00000063	0.0000046	0.0013	0.000008
Construction	May	0.00001	0.000067	-	0.0015	0.000000063	0.000012	0.00000002	0.000000045	0.00000021	0.0006	0.0000014	0.00000056	0.0000041	0.0012	0.0000072
Construction	June	0.0000081	0.000053	-	0.0012	0.00000005	0.0000095	0.000000016	0.000000037	0.00000017	0.00048	0.0000011	0.00000045	0.0000033	0.00097	0.0000058
Construction	July	0.0000077	0.000051	-	0.0012	0.000000048	0.000009	0.000000015	0.000000035	0.00000016	0.00046	0.0000011	0.00000043	0.0000032	0.00092	0.0000055
Construction	August	0.0000075	0.00005	-	0.0011	0.000000047	0.0000089	0.000000015	0.000000034	0.00000016	0.00045	0.0000011	0.00000042	0.0000031	0.00091	0.0000054
Construction	September	0.0000084	0.000055	-	0.0013	0.000000052	0.0000098	0.000000016	0.000000038	0.00000017	0.0005	0.0000012	0.00000047	0.0000034	0.001	0.000006
Construction	October	0.0000086	0.000057	-	0.0013	0.000000054	0.00001	0.000000017	0.000000039	0.00000018	0.00051	0.0000012	0.00000048	0.0000035	0.001	0.0000062
Construction	November	0.0000097	0.000064	-	0.0015	0.000000006	0.000011	0.000000019	0.000000044	0.0000002	0.00058	0.0000014	0.00000054	0.000004	0.0012	0.0000069
Construction	December	0.0000094	0.000062	-	0.0014	0.000000059	0.000011	0.000000018	0.000000043	0.0000002	0.00056	0.0000013	0.00000052	0.0000039	0.0011	0.0000067
Operations	January	0.000013	0.000086	-	0.002	0.000000081	0.000015	0.000000026	0.000000059	0.00000027	0.00078	0.0000018	0.00000073	0.0000054	0.0016	0.0000093
Operations	February	0.000012	0.000079	-	0.0018	0.000000075	0.000014	0.000000024	0.000000054	0.00000025	0.00071	0.0000017	0.00000067	0.0000049	0.0014	0.0000086
Operations	March	0.000013	0.000087	-	0.002	0.000000082	0.000015	0.000000026	0.000000059	0.00000027	0.00078	0.0000019	0.00000073	0.0000054	0.0016	0.0000094
Operations	April	0.000014	0.000094	-	0.0022	0.000000089	0.000017	0.000000028	0.000000064	0.0000003	0.00085	0.000002	0.00000079	0.0000058	0.0017	0.00001
Operations	May	0.000013	0.000086	-	0.002	0.000000081	0.000015	0.000000026	0.000000059	0.00000027	0.00078	0.0000018	0.00000073	0.0000054	0.0016	0.0000093
Operations	June	0.000011	0.000071	-	0.0016	0.000000067	0.000013	0.000000021	0.000000048	0.00000022	0.00064	0.0000015	0.0000006	0.0000044	0.0013	0.0000076
Operations	July	0.00001	0.000068	-	0.0016	0.000000064	0.000012	0.00000002	0.000000046	0.00000021	0.00061	0.0000014	0.00000057	0.0000042	0.0012	0.0000073
Operations	August	0.00001	0.000068	-	0.0016	0.000000064	0.000012	0.00000002	0.000000046	0.00000021	0.00061	0.0000014	0.00000057	0.0000042	0.0012	0.0000073
Operations	September	0.000011	0.000074	-	0.0017	0.00000007	0.000013	0.000000022	0.00000005	0.00000023	0.00066	0.0000016	0.00000062	0.0000046	0.0013	0.000008
Operations	October	0.000011	0.000076	-	0.0017	0.000000072	0.000013	0.000000023	0.000000052	0.00000024	0.00068	0.0000016	0.00000064	0.0000047	0.0014	0.0000082
Operations	November	0.000013	0.000083	-	0.0019	0.000000078	0.000015	0.000000025	0.000000057	0.00000026	0.00075	0.0000018	0.0000007	0.0000052	0.0015	0.000009
Operations	December	0.000012	0.000082	-	0.0019	0.000000077	0.000015	0.000000024	0.000000056	0.00000026	0.00074	0.0000017	0.00000069	0.0000051	0.0015	0.0000088

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (67,991 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-14: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-2)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00024	0.000025	0.0000000028	0.000000067	0.0000032	0.00042	0.000000048	0.000000042	0.0000000097	0.000000094	0.000000034	0.0000018	0.000034	0.0000027
Construction	February	0.00021	0.000022	0.0000000025	0.000000061	0.0000028	0.00038	0.000000043	0.000000038	0.0000000088	0.000000084	0.00000003	0.0000016	0.000031	0.0000025
Construction	March	0.00023	0.000025	0.0000000028	0.000000067	0.0000031	0.00041	0.000000048	0.000000042	0.0000000096	0.000000093	0.000000033	0.0000018	0.000034	0.0000027
Construction	April	0.00026	0.000028	0.0000000032	0.000000075	0.0000035	0.00047	0.000000054	0.000000047	0.000000011	0.0000001	0.000000038	0.000002	0.000038	0.0000031
Construction	May	0.00024	0.000025	0.0000000028	0.000000067	0.0000032	0.00042	0.000000048	0.000000042	0.0000000097	0.000000094	0.000000034	0.0000018	0.000034	0.0000028
Construction	June	0.00019	0.00002	0.0000000023	0.000000054	0.0000025	0.00034	0.000000039	0.000000034	0.0000000078	0.000000075	0.000000027	0.0000015	0.000028	0.0000022
Construction	July	0.00018	0.000019	0.0000000022	0.000000052	0.0000024	0.00032	0.000000037	0.000000032	0.0000000075	0.000000072	0.000000026	0.0000014	0.000026	0.0000021
Construction	August	0.00018	0.000019	0.0000000021	0.000000051	0.0000024	0.00031	0.000000036	0.000000032	0.0000000073	0.00000007	0.000000025	0.0000014	0.000026	0.0000021
Construction	September	0.0002	0.000021	0.0000000024	0.000000056	0.0000026	0.00035	0.00000004	0.000000035	0.0000000081	0.000000078	0.000000028	0.0000015	0.000029	0.0000023
Construction	October	0.0002	0.000021	0.0000000024	0.000000058	0.0000027	0.00036	0.000000041	0.000000036	0.0000000084	0.000000081	0.000000029	0.0000016	0.00003	0.0000024
Construction	November	0.00023	0.000024	0.0000000027	0.000000065	0.000003	0.0004	0.000000046	0.00000004	0.0000000093	0.00000009	0.000000032	0.0000017	0.000033	0.0000026
Construction	December	0.00022	0.000023	0.0000000027	0.000000063	0.000003	0.00039	0.000000045	0.000000039	0.0000000091	0.000000088	0.000000032	0.0000017	0.000032	0.0000026
Operations	January	0.00031	0.000032	0.0000000037	0.000000087	0.0000041	0.00054	0.000000062	0.000000055	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Operations	February	0.00028	0.00003	0.0000000034	0.00000008	0.0000038	0.0005	0.000000057	0.00000005	0.000000012	0.00000011	0.00000004	0.0000022	0.000041	0.0000033
Operations	March	0.00031	0.000032	0.0000000037	0.000000088	0.0000041	0.00054	0.000000063	0.000000055	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Operations	April	0.00034	0.000035	0.0000000040	0.000000095	0.0000045	0.00059	0.000000068	0.00000006	0.000000014	0.00000013	0.000000048	0.0000026	0.000049	0.0000039
Operations	May	0.00031	0.000032	0.0000000037	0.000000087	0.0000041	0.00054	0.000000062	0.000000055	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Operations	June	0.00025	0.000026	0.0000000030	0.000000071	0.0000034	0.00044	0.000000051	0.000000045	0.000000010	0.0000001	0.000000036	0.0000019	0.000037	0.0000029
Operations	July	0.00024	0.000025	0.0000000029	0.000000069	0.0000032	0.00043	0.000000049	0.000000043	0.0000000099	0.000000096	0.000000034	0.0000019	0.000035	0.0000028
Operations	August	0.00024	0.000025	0.0000000029	0.000000068	0.0000032	0.00042	0.000000049	0.000000043	0.0000000099	0.000000095	0.000000034	0.0000019	0.000035	0.0000028
Operations	September	0.00026	0.000027	0.0000000031	0.000000075	0.0000035	0.00046	0.000000053	0.000000047	0.000000011	0.0000001	0.000000037	0.000002	0.000038	0.000003
Operations	October	0.00027	0.000028	0.0000000032	0.000000077	0.0000036	0.00048	0.000000055	0.000000048	0.000000011	0.00000011	0.000000038	0.0000021	0.000039	0.0000031
Operations	November	0.0003	0.000031	0.0000000035	0.000000084	0.0000039	0.00052	0.00000006	0.000000053	0.000000012	0.00000012	0.000000042	0.0000023	0.000043	0.0000034
Operations	December	0.00029	0.000031	0.0000000035	0.000000083	0.0000039	0.00051	0.000000059	0.000000052	0.000000012	0.00000012	0.000000041	0.0000022	0.000042	0.0000034

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (67,991 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-15: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-3)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0000052	0.000035	-	0.0008	0.000000033	0.0000062	0.000000010	0.000000024	0.00000011	0.00031	0.00000074	0.00000029	0.0000022	0.00063	0.0000037
Construction	February	0.0000047	0.000031	-	0.00071	0.000000029	0.0000055	0.0000000092	0.000000021	0.000000097	0.00028	0.00000066	0.00000026	0.0000019	0.00056	0.0000033
Construction	March	0.0000053	0.000035	-	0.00081	0.000000033	0.0000063	0.000000010	0.000000024	0.00000011	0.00032	0.00000075	0.0000003	0.0000022	0.00064	0.0000038
Construction	April	0.0000056	0.000037	-	0.00085	0.000000035	0.0000066	0.000000011	0.000000025	0.00000012	0.00033	0.00000079	0.00000031	0.0000023	0.00067	0.000004
Construction	May	0.0000053	0.000035	-	0.00081	0.000000033	0.0000062	0.000000010	0.000000024	0.00000011	0.00032	0.00000075	0.0000003	0.0000022	0.00064	0.0000038
Construction	June	0.0000043	0.000029	-	0.00066	0.000000027	0.0000051	0.0000000085	0.00000002	0.00000009	0.00026	0.00000061	0.00000024	0.0000018	0.00052	0.0000031
Construction	July	0.0000042	0.000028	-	0.00063	0.000000026	0.0000049	0.0000000082	0.000000019	0.000000087	0.00025	0.00000059	0.00000023	0.0000017	0.0005	0.000003
Construction	August	0.0000041	0.000027	-	0.00062	0.000000026	0.0000048	0.0000000080	0.000000018	0.000000085	0.00024	0.00000058	0.00000023	0.0000017	0.00049	0.0000029
Construction	September	0.0000045	0.00003	-	0.00069	0.000000028	0.0000053	0.0000000089	0.00000002	0.000000094	0.00027	0.00000064	0.00000025	0.0000019	0.00054	0.0000032
Construction	October	0.0000045	0.00003	-	0.00068	0.000000028	0.0000053	0.0000000088	0.00000002	0.000000093	0.00027	0.00000063	0.00000025	0.0000018	0.00054	0.0000032
Construction	November	0.000005	0.000033	-	0.00076	0.000000031	0.0000059	0.0000000099	0.000000023	0.0000001	0.0003	0.00000071	0.00000028	0.0000021	0.0006	0.0000036
Construction	December	0.0000049	0.000033	-	0.00075	0.000000031	0.0000058	0.0000000097	0.000000022	0.0000001	0.00029	0.0000007	0.00000028	0.000002	0.00059	0.0000035
Operations	January	0.0000051	0.000033	-	0.00077	0.000000032	0.0000059	0.0000000099	0.000000023	0.00000011	0.0003	0.00000071	0.00000028	0.0000021	0.00061	0.0000036
Operations	February	0.0000046	0.00003	-	0.0007	0.000000029	0.0000054	0.0000000090	0.000000021	0.000000095	0.00027	0.00000065	0.00000026	0.0000019	0.00055	0.0000033
Operations	March	0.0000052	0.000034	-	0.00079	0.000000032	0.0000061	0.000000010	0.000000024	0.00000011	0.00031	0.00000073	0.00000029	0.0000021	0.00062	0.0000037
Operations	April	0.0000053	0.000035	-	0.0008	0.000000033	0.0000062	0.000000010	0.000000024	0.00000011	0.00031	0.00000074	0.00000029	0.0000022	0.00063	0.0000038
Operations	May	0.0000051	0.000033	-	0.00077	0.000000032	0.0000059	0.000000010	0.000000023	0.00000011	0.0003	0.00000071	0.00000028	0.0000021	0.00061	0.0000036
Operations	June	0.0000042	0.000028	-	0.00064	0.000000026	0.0000049	0.0000000083	0.000000019	0.000000087	0.00025	0.00000059	0.00000023	0.0000017	0.00051	0.000003
Operations	July	0.0000041	0.000027	-	0.00062	0.000000026	0.0000048	0.0000000081	0.000000019	0.000000085	0.00024	0.00000058	0.00000023	0.0000017	0.00049	0.0000029
Operations	August	0.0000041	0.000027	-	0.00062	0.000000025	0.0000048	0.0000000080	0.000000018	0.000000084	0.00024	0.00000057	0.00000023	0.0000017	0.00049	0.0000029
Operations	September	0.0000045	0.000029	-	0.00068	0.000000028	0.0000052	0.0000000088	0.00000002	0.000000092	0.00027	0.00000063	0.00000025	0.0000018	0.00054	0.0000032
Operations	October	0.0000044	0.000029	-	0.00067	0.000000028	0.0000052	0.0000000087	0.00000002	0.000000092	0.00026	0.00000063	0.00000025	0.0000018	0.00053	0.0000032
Operations	November	0.0000049	0.000032	-	0.00074	0.000000031	0.0000057	0.0000000096	0.000000022	0.0000001	0.00029	0.00000069	0.00000027	0.000002	0.00059	0.0000035
Operations	December	0.0000048	0.000032	-	0.00073	0.00000003	0.0000057	0.0000000095	0.000000022	0.0000001	0.00029	0.00000068	0.00000027	0.000002	0.00058	0.0000034

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (11,444 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-15: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-3)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00012	0.000013	0.0000000015	0.000000035	0.0000016	0.00022	0.000000025	0.000000022	0.0000000051	0.000000049	0.000000018	0.00000095	0.000018	0.0000014
Construction	February	0.00011	0.000012	0.0000000013	0.000000031	0.0000015	0.00019	0.000000022	0.00000002	0.0000000045	0.000000044	0.000000016	0.00000085	0.000016	0.0000013
Construction	March	0.00013	0.000013	0.0000000015	0.000000036	0.0000017	0.00022	0.000000026	0.000000022	0.0000000052	0.00000005	0.000000018	0.00000097	0.000018	0.0000015
Construction	April	0.00013	0.000014	0.0000000016	0.000000038	0.0000018	0.00023	0.000000027	0.000000024	0.0000000054	0.000000052	0.000000019	0.000001	0.000019	0.0000015
Construction	May	0.00013	0.000013	0.0000000015	0.000000036	0.0000017	0.00022	0.000000025	0.000000022	0.0000000051	0.00000005	0.000000018	0.00000096	0.000018	0.0000015
Construction	June	0.0001	0.000011	0.0000000012	0.000000029	0.0000014	0.00018	0.000000021	0.000000018	0.0000000042	0.00000004	0.000000014	0.00000078	0.000015	0.0000012
Construction	July	0.000098	0.00001	0.0000000012	0.000000028	0.0000013	0.00017	0.00000002	0.000000017	0.0000000040	0.000000039	0.000000014	0.00000076	0.000014	0.0000011
Construction	August	0.000096	0.00001	0.0000000012	0.000000027	0.0000013	0.00017	0.00000002	0.000000017	0.0000000040	0.000000038	0.000000014	0.00000074	0.000014	0.0000011
Construction	September	0.00011	0.000011	0.0000000013	0.00000003	0.0000014	0.00019	0.000000022	0.000000019	0.0000000044	0.000000042	0.000000015	0.00000082	0.000016	0.0000012
Construction	October	0.00011	0.000011	0.0000000013	0.00000003	0.0000014	0.00019	0.000000022	0.000000019	0.0000000044	0.000000042	0.000000015	0.00000082	0.000015	0.0000012
Construction	November	0.00012	0.000012	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000000049	0.000000047	0.000000017	0.00000091	0.000017	0.0000014
Construction	December	0.00012	0.000012	0.0000000014	0.000000033	0.0000016	0.00021	0.000000024	0.000000021	0.0000000048	0.000000046	0.000000017	0.0000009	0.000017	0.0000014
Operations	January	0.00012	0.000012	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000000049	0.000000047	0.000000017	0.00000092	0.000017	0.0000014
Operations	February	0.00011	0.000011	0.0000000013	0.000000031	0.0000014	0.00019	0.000000022	0.000000019	0.0000000044	0.000000043	0.000000015	0.00000083	0.000016	0.0000013
Operations	March	0.00012	0.000013	0.0000000015	0.000000035	0.0000016	0.00022	0.000000025	0.000000022	0.0000000050	0.000000049	0.000000017	0.00000094	0.000018	0.0000014
Operations	April	0.00012	0.000013	0.0000000015	0.000000035	0.0000017	0.00022	0.000000025	0.000000022	0.0000000051	0.000000049	0.000000018	0.00000096	0.000018	0.0000014
Operations	May	0.00012	0.000012	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000000049	0.000000047	0.000000017	0.00000092	0.000017	0.0000014
Operations	June	0.000099	0.00001	0.0000000012	0.000000028	0.0000013	0.00017	0.00000002	0.000000018	0.0000000041	0.000000039	0.000000014	0.00000076	0.000014	0.0000011
Operations	July	0.000097	0.00001	0.0000000012	0.000000027	0.0000013	0.00017	0.00000002	0.000000017	0.0000000040	0.000000038	0.000000014	0.00000074	0.000014	0.0000011
Operations	August	0.000096	0.00001	0.0000000011	0.000000027	0.0000013	0.00017	0.000000019	0.000000017	0.0000000039	0.000000038	0.000000014	0.00000074	0.000014	0.0000011
Operations	September	0.00011	0.000011	0.0000000013	0.00000003	0.0000014	0.00018	0.000000021	0.000000019	0.0000000043	0.000000042	0.000000015	0.00000081	0.000015	0.0000012
Operations	October	0.0001	0.000011	0.0000000013	0.00000003	0.0000014	0.00018	0.000000021	0.000000019	0.0000000043	0.000000041	0.000000015	0.0000008	0.000015	0.0000012
Operations	November	0.00012	0.000012	0.0000000014	0.000000033	0.0000015	0.0002	0.000000023	0.000000021	0.0000000047	0.000000046	0.000000016	0.00000089	0.000017	0.0000013
Operations	December	0.00011	0.000012	0.0000000014	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000000047	0.000000045	0.000000016	0.00000087	0.000017	0.0000013

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (11,444 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-16: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-4)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	-	0.0042	0.00000017	0.000033	0.000021	0.000000055	0.00000058	0.0017	0.0000039	0.0000016	0.000011	0.0033	0.00002	-	0.00066
Construction	February	-	0.0042	0.00000017	0.000032	0.000021	0.000000054	0.00000057	0.0016	0.0000039	0.0000015	0.000011	0.0033	0.00002	-	0.00065
Construction	March	-	0.0037	0.00000015	0.000028	0.000018	0.000000047	0.0000005	0.0014	0.0000034	0.0000013	0.0000099	0.0029	0.000017	-	0.00057
Construction	April	-	0.0036	0.00000015	0.000028	0.000018	0.000000046	0.00000049	0.0014	0.0000033	0.0000013	0.0000096	0.0028	0.000017	-	0.00055
Construction	May	-	0.0035	0.00000015	0.000027	0.000018	0.000000046	0.00000048	0.0014	0.0000033	0.0000013	0.0000096	0.0028	0.000017	-	0.00055
Construction	June	-	0.0039	0.00000016	0.00003	0.000019	0.000000050	0.00000053	0.0015	0.0000036	0.0000014	0.00001	0.0031	0.000018	-	0.0006
Construction	July	-	0.0039	0.00000016	0.00003	0.000019	0.000000050	0.00000053	0.0015	0.0000036	0.0000014	0.00001	0.0031	0.000018	-	0.0006
Construction	August	-	0.0041	0.00000017	0.000032	0.000021	0.000000054	0.00000057	0.0016	0.0000039	0.0000015	0.000011	0.0033	0.000019	-	0.00064
Construction	September	-	0.0041	0.00000017	0.000031	0.00002	0.000000053	0.00000056	0.0016	0.0000038	0.0000015	0.000011	0.0032	0.000019	-	0.00063
Construction	October	-	0.0042	0.00000017	0.000033	0.000021	0.000000055	0.00000058	0.0017	0.0000039	0.0000016	0.000011	0.0033	0.00002	-	0.00066
Construction	November	-	0.0039	0.00000016	0.00003	0.000019	0.000000051	0.00000053	0.0015	0.0000036	0.0000014	0.000011	0.0031	0.000018	-	0.00061
Construction	December	-	0.0043	0.00000018	0.000033	0.000021	0.000000056	0.00000059	0.0017	0.000004	0.0000016	0.000012	0.0034	0.00002	-	0.00067
Operations	January	-	0.00074	0.00000003	0.0000057	0.0000036	0.000000010	0.0000001	0.00029	0.00000068	0.00000027	0.000002	0.00058	0.0000035	-	0.00011
Operations	February	-	0.00077	0.000000032	0.0000059	0.0000038	0.000000010	0.00000011	0.0003	0.00000071	0.00000028	0.0000021	0.00061	0.0000036	-	0.00012
Operations	March	-	0.00073	0.00000003	0.0000056	0.0000036	0.0000000094	0.000000099	0.00028	0.00000067	0.00000027	0.000002	0.00057	0.0000034	-	0.00011
Operations	April	-	0.00076	0.000000031	0.0000058	0.0000037	0.000000010	0.0000001	0.0003	0.0000007	0.00000028	0.000002	0.0006	0.0000035	-	0.00012
Operations	May	-	0.00076	0.000000031	0.0000058	0.0000037	0.000000010	0.0000001	0.0003	0.0000007	0.00000028	0.000002	0.0006	0.0000036	-	0.00012
Operations	June	-	0.00082	0.000000034	0.0000064	0.0000041	0.000000011	0.00000011	0.00032	0.00000076	0.0000003	0.0000022	0.00065	0.0000039	-	0.00013
Operations	July	-	0.00081	0.000000033	0.0000063	0.000004	0.000000011	0.00000011	0.00032	0.00000075	0.0000003	0.0000022	0.00064	0.0000038	-	0.00013
Operations	August	-	0.00087	0.000000036	0.0000067	0.0000043	0.000000011	0.00000012	0.00034	0.00000081	0.00000032	0.0000024	0.00069	0.0000041	-	0.00014
Operations	September	-	0.00081	0.000000033	0.0000063	0.000004	0.000000011	0.00000011	0.00032	0.00000076	0.0000003	0.0000022	0.00064	0.0000038	-	0.00013
Operations	October	-	0.00086	0.000000035	0.0000066	0.0000042	0.000000011	0.00000012	0.00034	0.0000008	0.00000031	0.0000023	0.00068	0.000004	-	0.00013
Operations	November	-	0.00077	0.000000031	0.0000059	0.0000038	0.000000010	0.0000001	0.0003	0.00000071	0.00000028	0.0000021	0.00061	0.0000036	-	0.00012
Operations	December	-	0.0009	0.000000037	0.000007	0.0000045	0.000000012	0.00000012	0.00035	0.00000084	0.00000033	0.0000024	0.00071	0.0000042	-	0.00014

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (59,049 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-16: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-4)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0000000078	0.00000019	0.0000088	0.0012	0.00000013	0.00000012	0.000012	0.000000027	0.000000093	0.000005	0.000095	0.0000076	0.0042	-
Construction	February	0.0000000078	0.00000018	0.0000087	0.0011	0.00000013	0.00000012	0.000012	0.000000027	0.000000092	0.000005	0.000094	0.0000075	0.0042	-
Construction	March	0.0000000068	0.00000016	0.0000075	0.001	0.00000012	0.0000001	0.000011	0.000000023	0.00000008	0.0000043	0.000082	0.0000066	0.0037	-
Construction	April	0.0000000066	0.00000016	0.0000074	0.00097	0.00000011	0.000000098	0.00001	0.000000023	0.000000079	0.0000043	0.00008	0.0000064	0.0036	-
Construction	May	0.0000000066	0.00000016	0.0000073	0.00097	0.00000011	0.000000098	0.00001	0.000000023	0.000000078	0.0000042	0.00008	0.0000064	0.0035	-
Construction	June	0.0000000072	0.00000017	0.000008	0.0011	0.00000012	0.00000011	0.000011	0.000000025	0.000000085	0.0000046	0.000087	0.0000069	0.0039	-
Construction	July	0.0000000072	0.00000017	0.000008	0.0011	0.00000012	0.00000011	0.000011	0.000000025	0.000000085	0.0000046	0.000087	0.0000069	0.0039	-
Construction	August	0.0000000077	0.00000018	0.0000086	0.0011	0.00000013	0.00000011	0.000012	0.000000026	0.000000091	0.0000049	0.000093	0.0000075	0.0041	-
Construction	September	0.0000000075	0.00000018	0.0000084	0.0011	0.00000013	0.00000011	0.000012	0.000000026	0.00000009	0.0000049	0.000092	0.0000073	0.0041	-
Construction	October	0.0000000078	0.00000019	0.0000088	0.0012	0.00000013	0.00000012	0.000012	0.000000027	0.000000093	0.000005	0.000095	0.0000076	0.0042	-
Construction	November	0.0000000073	0.00000017	0.0000081	0.0011	0.00000012	0.00000011	0.000011	0.000000025	0.000000086	0.0000047	0.000088	0.000007	0.0039	-
Construction	December	0.0000000080	0.00000019	0.0000089	0.0012	0.00000014	0.00000012	0.000013	0.000000027	0.000000095	0.0000051	0.000097	0.0000078	0.0043	-
Operations	January	0.0000000014	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000022	4.7E-09	0.000000016	0.00000088	0.000017	0.0000013	0.00074	-
Operations	February	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000023	4.9E-09	0.000000017	0.00000092	0.000017	0.0000014	0.00077	-
Operations	March	0.0000000013	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000021	4.6E-09	0.000000016	0.00000086	0.000016	0.0000013	0.00073	-
Operations	April	0.0000000014	0.000000033	0.0000016	0.00021	0.000000024	0.000000021	0.0000022	4.8E-09	0.000000017	0.0000009	0.000017	0.0000014	0.00076	-
Operations	May	0.0000000014	0.000000033	0.0000016	0.00021	0.000000024	0.000000021	0.0000022	4.8E-09	0.000000017	0.0000009	0.000017	0.0000014	0.00076	-
Operations	June	0.0000000015	0.000000036	0.0000017	0.00022	0.000000026	0.000000023	0.0000024	5.2E-09	0.000000018	0.00000098	0.000019	0.0000015	0.00082	-
Operations	July	0.0000000015	0.000000036	0.0000017	0.00022	0.000000026	0.000000022	0.0000024	5.2E-09	0.000000018	0.00000097	0.000018	0.0000015	0.00081	-
Operations	August	0.0000000016	0.000000038	0.0000018	0.00024	0.000000027	0.000000024	0.0000025	5.5E-09	0.000000019	0.000001	0.00002	0.0000016	0.00087	-
Operations	September	0.0000000015	0.000000036	0.0000017	0.00022	0.000000026	0.000000022	0.0000024	5.2E-09	0.000000018	0.00000097	0.000018	0.0000015	0.00081	-
Operations	October	0.0000000016	0.000000038	0.0000018	0.00023	0.000000027	0.000000024	0.0000025	5.5E-09	0.000000019	0.000001	0.000019	0.0000015	0.00086	-
Operations	November	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000022	4.9E-09	0.000000017	0.00000091	0.000017	0.0000014	0.00077	-
Operations	December	0.0000000017	0.00000004	0.0000019	0.00025	0.000000028	0.000000025	0.0000026	5.7E-09	0.00000002	0.0000011	0.00002	0.0000016	0.0009	-

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (59,049 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-17: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-5)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000011	0.00007	-	0.0016	0.000000066	0.000012	0.000000021	0.000000048	0.00000022	0.00063	0.0000015	0.00000059	0.0000044	0.0013	0.0000076
Construction	February	0.0000095	0.000063	-	0.0014	0.000000059	0.000011	0.000000019	0.000000043	0.0000002	0.00057	0.0000013	0.00000053	0.0000039	0.0011	0.0000068
Construction	March	0.000012	0.000078	-	0.0018	0.000000073	0.000014	0.000000023	0.000000053	0.00000024	0.0007	0.0000017	0.00000066	0.0000048	0.0014	0.0000084
Construction	April	0.0000092	0.000061	-	0.0014	0.000000057	0.000011	0.000000018	0.000000042	0.00000019	0.00055	0.0000013	0.00000051	0.0000038	0.0011	0.0000066
Construction	May	0.0000098	0.000065	-	0.0015	0.000000061	0.000012	0.000000019	0.000000044	0.0000002	0.00059	0.0000014	0.00000055	0.000004	0.0012	0.000007
Construction	June	0.0000087	0.000057	-	0.0013	0.000000054	0.00001	0.000000017	0.000000039	0.00000018	0.00052	0.0000012	0.00000048	0.0000036	0.001	0.0000062
Construction	July	0.000009	0.000059	-	0.0014	0.000000056	0.000011	0.000000018	0.000000041	0.00000019	0.00053	0.0000013	0.0000005	0.0000037	0.0011	0.0000064
Construction	August	0.0000092	0.000061	-	0.0014	0.000000057	0.000011	0.000000018	0.000000042	0.00000019	0.00055	0.0000013	0.00000051	0.0000038	0.0011	0.0000066
Construction	September	0.00001	0.000067	-	0.0015	0.000000063	0.000012	0.000000020	0.000000046	0.00000021	0.0006	0.0000014	0.00000057	0.0000042	0.0012	0.0000072
Construction	October	0.0000099	0.000065	-	0.0015	0.000000062	0.000012	0.000000019	0.000000045	0.0000002	0.00059	0.0000014	0.00000055	0.000004	0.0012	0.000007
Construction	November	0.000011	0.000072	-	0.0017	0.000000068	0.000013	0.000000021	0.000000049	0.00000023	0.00065	0.0000015	0.00000061	0.0000045	0.0013	0.0000078
Construction	December	0.00001	0.000067	-	0.0015	0.000000063	0.000012	0.000000020	0.000000046	0.00000021	0.00061	0.0000014	0.00000057	0.0000042	0.0012	0.0000073
Operations	January	0.0000053	0.000035	-	0.00081	0.000000033	0.0000063	0.000000010	0.000000024	0.00000011	0.00032	0.00000075	0.0000003	0.0000022	0.00064	0.0000038
Operations	February	0.0000048	0.000032	-	0.00073	0.00000003	0.0000056	0.0000000094	0.000000022	0.000000099	0.00028	0.00000067	0.00000027	0.000002	0.00057	0.0000034
Operations	March	0.0000058	0.000038	-	0.00088	0.000000036	0.0000068	0.000000011	0.000000026	0.00000012	0.00035	0.00000082	0.00000032	0.0000024	0.0007	0.0000041
Operations	April	0.0000046	0.000031	-	0.00071	0.000000029	0.0000055	0.0000000091	0.000000021	0.000000096	0.00028	0.00000066	0.00000026	0.0000019	0.00056	0.0000033
Operations	May	0.0000048	0.000032	-	0.00073	0.00000003	0.0000056	0.0000000094	0.000000022	0.000000099	0.00028	0.00000067	0.00000027	0.000002	0.00057	0.0000034
Operations	June	0.0000046	0.00003	-	0.0007	0.000000029	0.0000054	0.0000000090	0.000000021	0.000000095	0.00027	0.00000065	0.00000026	0.0000019	0.00055	0.0000033
Operations	July	0.0000047	0.000031	-	0.00072	0.00000003	0.0000056	0.0000000093	0.000000021	0.000000099	0.00028	0.00000067	0.00000027	0.000002	0.00057	0.0000034
Operations	August	0.0000048	0.000032	-	0.00073	0.00000003	0.0000057	0.0000000095	0.000000022	0.0000001	0.00029	0.00000068	0.00000027	0.000002	0.00058	0.0000034
Operations	September	0.0000053	0.000035	-	0.00081	0.000000033	0.0000062	0.000000010	0.000000024	0.00000011	0.00032	0.00000075	0.0000003	0.0000022	0.00064	0.0000038
Operations	October	0.0000052	0.000034	-	0.00079	0.000000032	0.0000061	0.000000010	0.000000023	0.00000011	0.00031	0.00000073	0.00000029	0.0000021	0.00062	0.0000037
Operations	November	0.0000055	0.000037	-	0.00084	0.000000035	0.0000065	0.000000011	0.000000025	0.00000012	0.00033	0.00000078	0.00000031	0.0000023	0.00067	0.000004
Operations	December	0.000005	0.000033	-	0.00076	0.000000031	0.0000059	0.0000000099	0.000000023	0.0000001	0.0003	0.00000071	0.00000028	0.0000021	0.0006	0.0000036

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (215,487 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-17: Geochemical Source Terms, Dustfall Loadings, Dixie Creek (DIX-5)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00025	0.000026	0.0000000030	0.000000071	0.0000033	0.00044	0.000000051	0.000000045	0.000000010	0.000000099	0.000000036	0.0000019	0.000036	0.0000029
Construction	February	0.00022	0.000023	0.0000000027	0.000000064	0.000003	0.00039	0.000000046	0.00000004	0.0000000092	0.000000089	0.000000032	0.0000017	0.000033	0.0000026
Construction	March	0.00028	0.000029	0.0000000033	0.000000079	0.0000037	0.00049	0.000000056	0.000000049	0.000000011	0.00000011	0.000000039	0.0000021	0.00004	0.0000032
Construction	April	0.00022	0.000023	0.0000000026	0.000000062	0.0000029	0.00038	0.000000044	0.000000038	0.0000000089	0.000000086	0.000000031	0.0000017	0.000031	0.0000025
Construction	May	0.00023	0.000024	0.0000000028	0.000000066	0.0000031	0.00041	0.000000047	0.000000041	0.0000000095	0.000000092	0.000000033	0.0000018	0.000034	0.0000027
Construction	June	0.0002	0.000021	0.0000000024	0.000000058	0.0000027	0.00036	0.000000042	0.000000036	0.0000000084	0.000000081	0.000000029	0.0000016	0.00003	0.0000024
Construction	July	0.00021	0.000022	0.0000000025	0.000000006	0.0000028	0.00037	0.000000043	0.000000038	0.0000000087	0.000000084	0.00000003	0.0000016	0.000031	0.0000024
Construction	August	0.00022	0.000023	0.0000000026	0.000000062	0.0000029	0.00038	0.000000044	0.000000038	0.0000000089	0.000000086	0.000000031	0.0000017	0.000031	0.0000025
Construction	September	0.00024	0.000025	0.0000000029	0.000000068	0.0000032	0.00042	0.000000049	0.000000042	0.0000000098	0.000000095	0.000000034	0.0000018	0.000035	0.0000028
Construction	October	0.00023	0.000024	0.0000000028	0.000000066	0.0000031	0.00041	0.000000047	0.000000041	0.0000000095	0.000000092	0.000000033	0.0000018	0.000034	0.0000027
Construction	November	0.00026	0.000027	0.0000000031	0.000000073	0.0000034	0.00045	0.000000052	0.000000046	0.000000011	0.0000001	0.000000036	0.000002	0.000037	0.000003
Construction	December	0.00024	0.000025	0.0000000029	0.000000068	0.0000032	0.00042	0.000000049	0.000000043	0.0000000098	0.000000095	0.000000034	0.0000018	0.000035	0.0000028
Operations	January	0.00013	0.000013	0.0000000015	0.000000036	0.0000017	0.00022	0.000000026	0.000000022	0.0000000052	0.00000005	0.000000018	0.00000097	0.000018	0.0000015
Operations	February	0.00011	0.000012	0.0000000013	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000000046	0.000000045	0.000000016	0.00000087	0.000016	0.0000013
Operations	March	0.00014	0.000014	0.0000000016	0.000000039	0.0000018	0.00024	0.000000028	0.000000024	0.0000000056	0.000000054	0.000000019	0.0000011	0.00002	0.0000016
Operations	April	0.00011	0.000011	0.0000000013	0.000000031	0.0000015	0.00019	0.000000022	0.000000019	0.0000000045	0.000000043	0.000000016	0.00000084	0.000016	0.0000013
Operations	May	0.00011	0.000012	0.0000000013	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000000046	0.000000045	0.000000016	0.00000087	0.000016	0.0000013
Operations	June	0.00011	0.000011	0.0000000013	0.000000031	0.0000014	0.00019	0.000000022	0.000000019	0.0000000044	0.000000043	0.000000015	0.00000083	0.000016	0.0000013
Operations	July	0.00011	0.000012	0.0000000013	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000000046	0.000000044	0.000000016	0.00000086	0.000016	0.0000013
Operations	August	0.00011	0.000012	0.0000000014	0.000000032	0.0000015	0.0002	0.000000023	0.00000002	0.0000000047	0.000000045	0.000000016	0.00000088	0.000017	0.0000013
Operations	September	0.00013	0.000013	0.0000000015	0.000000036	0.0000017	0.00022	0.000000025	0.000000022	0.0000000051	0.00000005	0.000000018	0.00000096	0.000018	0.0000015
Operations	October	0.00012	0.000013	0.0000000015	0.000000035	0.0000016	0.00021	0.000000025	0.000000022	0.0000000050	0.000000048	0.000000017	0.00000094	0.000018	0.0000014
Operations	November	0.00013	0.000014	0.0000000016	0.000000037	0.0000017	0.00023	0.000000027	0.000000023	0.0000000054	0.000000052	0.000000019	0.000001	0.000019	0.0000015
Operations	December	0.00012	0.000012	0.0000000014	0.000000034	0.0000016	0.00021	0.000000024	0.000000021	0.0000000049	0.000000047	0.000000017	0.00000091	0.000017	0.0000014

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (215,487 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-18: Geochemical Source Terms, Dustfall Loadings, Genessee Lake (GEN-1)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000026	0.00017	-	0.0039	0.00000016	0.00003	0.00000005	0.00000012	0.00000053	0.0015	0.0000036	0.0000014	0.000011	0.0031	0.000018
Construction	February	0.000022	0.00015	-	0.0034	0.00000014	0.000026	0.000000044	0.0000001	0.00000047	0.0013	0.0000032	0.0000013	0.0000092	0.0027	0.000016
Construction	March	0.000023	0.00015	-	0.0035	0.00000014	0.000027	0.000000045	0.0000001	0.00000048	0.0014	0.0000033	0.0000013	0.0000095	0.0028	0.000016
Construction	April	0.000028	0.00018	-	0.0042	0.00000017	0.000032	0.000000054	0.00000012	0.00000057	0.0016	0.0000039	0.0000015	0.000011	0.0033	0.00002
Construction	May	0.000027	0.00018	-	0.004	0.00000017	0.000031	0.000000052	0.00000012	0.00000055	0.0016	0.0000038	0.0000015	0.000011	0.0032	0.000019
Construction	June	0.000023	0.00015	-	0.0035	0.00000014	0.000027	0.000000045	0.0000001	0.00000047	0.0014	0.0000032	0.0000013	0.0000094	0.0027	0.000016
Construction	July	0.000019	0.00013	-	0.0029	0.00000012	0.000023	0.000000038	0.000000087	0.0000004	0.0012	0.0000027	0.0000011	0.0000079	0.0023	0.000014
Construction	August	0.000018	0.00012	-	0.0028	0.00000011	0.000021	0.000000036	0.000000082	0.00000038	0.0011	0.0000026	0.000001	0.0000075	0.0022	0.000013
Construction	September	0.000022	0.00014	-	0.0033	0.00000014	0.000025	0.000000043	0.000000098	0.00000045	0.0013	0.0000031	0.0000012	0.0000089	0.0026	0.000015
Construction	October	0.000024	0.00016	-	0.0037	0.00000015	0.000028	0.000000047	0.00000011	0.0000005	0.0014	0.0000034	0.0000013	0.0000099	0.0029	0.000017
Construction	November	0.000025	0.00017	-	0.0039	0.00000016	0.00003	0.00000005	0.00000012	0.00000053	0.0015	0.0000036	0.0000014	0.00001	0.0031	0.000018
Construction	December	0.000022	0.00014	-	0.0033	0.00000014	0.000026	0.000000043	0.000000099	0.00000046	0.0013	0.0000031	0.0000012	0.000009	0.0026	0.000016
Operations	January	0.000022	0.00014	-	0.0033	0.00000013	0.000025	0.000000042	0.000000098	0.00000045	0.0013	0.000003	0.0000012	0.0000089	0.0026	0.000015
Operations	February	0.000019	0.00012	-	0.0029	0.00000012	0.000022	0.000000037	0.000000085	0.00000039	0.0011	0.0000026	0.000001	0.0000077	0.0023	0.000013
Operations	March	0.000019	0.00013	-	0.0029	0.00000012	0.000023	0.000000038	0.000000087	0.0000004	0.0012	0.0000027	0.0000011	0.0000079	0.0023	0.000014
Operations	April	0.000023	0.00015	-	0.0035	0.00000015	0.000027	0.000000046	0.00000011	0.00000048	0.0014	0.0000033	0.0000013	0.0000096	0.0028	0.000017
Operations	May	0.000022	0.00015	-	0.0034	0.00000014	0.000026	0.000000044	0.0000001	0.00000046	0.0013	0.0000032	0.0000012	0.0000092	0.0027	0.000016
Operations	June	0.000019	0.00012	-	0.0029	0.00000012	0.000022	0.000000037	0.000000085	0.00000039	0.0011	0.0000027	0.0000011	0.0000077	0.0023	0.000013
Operations	July	0.000016	0.00011	-	0.0024	0.0000001	0.000019	0.000000031	0.000000072	0.00000033	0.00095	0.0000023	0.00000089	0.0000066	0.0019	0.000011
Operations	August	0.000015	0.000099	-	0.0023	0.000000094	0.000018	0.000000029	0.000000068	0.00000031	0.00089	0.0000021	0.00000084	0.0000062	0.0018	0.000011
Operations	September	0.000018	0.00012	-	0.0027	0.00000011	0.000021	0.000000036	0.000000082	0.00000037	0.0011	0.0000025	0.000001	0.0000074	0.0022	0.000013
Operations	October	0.00002	0.00013	-	0.003	0.00000013	0.000024	0.000000039	0.00000009	0.00000042	0.0012	0.0000028	0.0000011	0.0000082	0.0024	0.000014
Operations	November	0.000021	0.00014	-	0.0032	0.00000013	0.000025	0.000000042	0.000000097	0.00000044	0.0013	0.000003	0.0000012	0.0000088	0.0026	0.000015
Operations	December	0.000018	0.00012	-	0.0028	0.00000011	0.000021	0.000000036	0.000000083	0.00000038	0.0011	0.0000026	0.000001	0.0000075	0.0022	0.000013

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (939,598 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-18: Geochemical Source Terms, Dustfall Loadings, Genessee Lake (GEN-1)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00061	0.000063	0.0000000072	0.00000017	0.0000081	0.0011	0.00000012	0.00000011	0.000000025	0.00000024	0.000000086	0.0000047	0.000088	0.000007
Construction	February	0.00053	0.000055	0.0000000063	0.00000015	0.0000071	0.00093	0.00000011	0.000000094	0.000000022	0.00000021	0.000000075	0.0000041	0.000077	0.0000061
Construction	March	0.00054	0.000057	0.0000000065	0.00000015	0.0000073	0.00096	0.00000011	0.000000097	0.000000022	0.00000022	0.000000077	0.0000042	0.000079	0.0000063
Construction	April	0.00065	0.000068	0.0000000078	0.00000018	0.0000087	0.0011	0.00000013	0.00000012	0.000000027	0.00000026	0.000000092	0.000005	0.000094	0.0000075
Construction	May	0.00063	0.000066	0.0000000075	0.00000018	0.0000084	0.0011	0.00000013	0.00000011	0.000000026	0.00000025	0.000000089	0.0000048	0.000091	0.0000073
Construction	June	0.00054	0.000056	0.0000000064	0.00000015	0.0000072	0.00095	0.00000011	0.000000095	0.000000022	0.00000021	0.000000076	0.0000041	0.000078	0.0000062
Construction	July	0.00046	0.000048	0.0000000055	0.00000013	0.0000061	0.0008	0.000000093	0.000000081	0.000000019	0.00000018	0.000000065	0.0000035	0.000066	0.0000053
Construction	August	0.00043	0.000045	0.0000000051	0.00000012	0.0000057	0.00075	0.000000087	0.000000076	0.000000018	0.00000017	0.000000061	0.0000033	0.000062	0.000005
Construction	September	0.00051	0.000053	0.0000000061	0.00000015	0.0000068	0.0009	0.0000001	0.000000091	0.000000021	0.0000002	0.000000073	0.0000039	0.000074	0.0000059
Construction	October	0.00057	0.000059	0.0000000068	0.00000016	0.0000076	0.001	0.00000012	0.0000001	0.000000023	0.00000022	0.000000081	0.0000044	0.000082	0.0000066
Construction	November	0.0006	0.000063	0.0000000072	0.00000017	0.000008	0.0011	0.00000012	0.00000011	0.000000025	0.00000024	0.000000085	0.0000046	0.000087	0.000007
Construction	December	0.00052	0.000054	0.0000000062	0.00000015	0.0000069	0.00091	0.00000011	0.000000092	0.000000021	0.0000002	0.000000073	0.000004	0.000075	0.000006
Operations	January	0.00051	0.000053	0.0000000061	0.00000014	0.0000068	0.0009	0.0000001	0.00000009	0.000000021	0.0000002	0.000000072	0.0000039	0.000074	0.0000059
Operations	February	0.00044	0.000046	0.0000000053	0.00000013	0.0000059	0.00078	0.00000009	0.000000079	0.000000018	0.00000017	0.000000063	0.0000034	0.000064	0.0000051
Operations	March	0.00046	0.000048	0.0000000055	0.00000013	0.0000061	0.0008	0.000000093	0.000000081	0.000000019	0.00000018	0.000000065	0.0000035	0.000066	0.0000053
Operations	April	0.00055	0.000057	0.0000000066	0.00000016	0.0000073	0.00097	0.00000011	0.000000097	0.000000023	0.00000022	0.000000078	0.0000042	0.00008	0.0000064
Operations	May	0.00053	0.000055	0.0000000063	0.00000015	0.000007	0.00093	0.00000011	0.000000094	0.000000022	0.00000021	0.000000075	0.000004	0.000076	0.0000061
Operations	June	0.00044	0.000046	0.0000000053	0.00000013	0.0000059	0.00078	0.00000009	0.000000079	0.000000018	0.00000018	0.000000063	0.0000034	0.000065	0.0000051
Operations	July	0.00038	0.000039	0.0000000045	0.00000011	0.000005	0.00066	0.000000077	0.000000067	0.000000016	0.00000015	0.000000054	0.0000029	0.000055	0.0000044
Operations	August	0.00035	0.000037	0.0000000042	0.0000001	0.0000047	0.00062	0.000000072	0.000000063	0.000000015	0.00000014	0.00000005	0.0000027	0.000051	0.0000041
Operations	September	0.00043	0.000045	0.0000000051	0.00000012	0.0000057	0.00075	0.000000087	0.000000076	0.000000017	0.00000017	0.000000061	0.0000033	0.000062	0.0000049
Operations	October	0.00047	0.000049	0.0000000056	0.00000013	0.0000063	0.00083	0.000000096	0.000000084	0.000000019	0.00000019	0.000000067	0.0000036	0.000069	0.0000055
Operations	November	0.0005	0.000053	0.000000006	0.00000014	0.0000067	0.00089	0.0000001	0.000000089	0.000000021	0.0000002	0.000000072	0.0000039	0.000073	0.0000058
Operations	December	0.00043	0.000045	0.0000000051	0.00000012	0.0000057	0.00076	0.000000088	0.000000076	0.000000018	0.00000017	0.000000061	0.0000033	0.000063	0.000005

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (939,598 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-19: Geochemical Source Terms, Dustfall Loadings, Genessee Lake (GEN-L)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000015	0.0001	-	0.0023	0.000000096	0.000018	0.00000003	0.00000007	0.00000032	0.00092	0.0000022	0.00000086	0.0000063	0.0019	0.000011
Construction	February	0.000013	0.000088	-	0.002	0.000000083	0.000016	0.000000026	0.00000006	0.00000028	0.00079	0.0000019	0.00000074	0.0000054	0.0016	0.0000095
Construction	March	0.000013	0.000088	-	0.002	0.000000084	0.000016	0.000000026	0.00000006	0.00000028	0.0008	0.0000019	0.00000075	0.0000055	0.0016	0.0000095
Construction	April	0.000016	0.00011	-	0.0024	0.0000001	0.000019	0.000000031	0.000000072	0.00000033	0.00095	0.0000023	0.00000089	0.0000066	0.0019	0.000011
Construction	May	0.000016	0.00011	-	0.0024	0.0000001	0.000019	0.000000032	0.000000072	0.00000033	0.00096	0.0000023	0.00000089	0.0000066	0.0019	0.000011
Construction	June	0.000014	0.000092	-	0.0021	0.000000087	0.000016	0.000000027	0.000000063	0.00000029	0.00083	0.000002	0.00000078	0.0000057	0.0017	0.00001
Construction	July	0.000012	0.000077	-	0.0018	0.000000073	0.000014	0.000000023	0.000000053	0.00000024	0.00069	0.0000016	0.00000065	0.0000048	0.0014	0.0000083
Construction	August	0.000011	0.00007	-	0.0016	0.000000066	0.000012	0.000000021	0.000000048	0.00000022	0.00063	0.0000015	0.00000059	0.0000044	0.0013	0.0000076
Construction	September	0.000013	0.000087	-	0.002	0.000000082	0.000016	0.000000026	0.00000006	0.00000027	0.00079	0.0000019	0.00000074	0.0000054	0.0016	0.0000094
Construction	October	0.000015	0.000099	-	0.0023	0.000000093	0.000018	0.000000029	0.000000067	0.00000031	0.00089	0.0000021	0.00000083	0.0000061	0.0018	0.000011
Construction	November	0.000016	0.0001	-	0.0024	0.000000097	0.000018	0.00000003	0.00000007	0.00000032	0.00092	0.0000022	0.00000087	0.0000064	0.0019	0.000011
Construction	December	0.000013	0.000084	-	0.0019	0.000000079	0.000015	0.000000025	0.000000057	0.00000026	0.00076	0.0000018	0.00000071	0.0000052	0.0015	0.0000091
Operations	January	0.000014	0.000092	-	0.0021	0.000000086	0.000016	0.000000027	0.000000063	0.00000029	0.00082	0.000002	0.00000077	0.0000057	0.0017	0.0000099
Operations	February	0.000012	0.000079	-	0.0018	0.000000074	0.000014	0.000000023	0.000000054	0.00000025	0.00071	0.0000017	0.00000067	0.0000049	0.0014	0.0000085
Operations	March	0.000012	0.000079	-	0.0018	0.000000075	0.000014	0.000000024	0.000000054	0.00000025	0.00072	0.0000017	0.00000067	0.0000049	0.0014	0.0000086
Operations	April	0.000014	0.000095	-	0.0022	0.000000089	0.000017	0.000000028	0.000000065	0.0000003	0.00085	0.000002	0.0000008	0.0000059	0.0017	0.00001
Operations	May	0.000014	0.000094	-	0.0022	0.000000089	0.000017	0.000000028	0.000000065	0.0000003	0.00085	0.000002	0.0000008	0.0000059	0.0017	0.00001
Operations	June	0.000012	0.000082	-	0.0019	0.000000077	0.000015	0.000000024	0.000000056	0.00000026	0.00074	0.0000017	0.00000069	0.0000051	0.0015	0.0000088
Operations	July	0.00001	0.000068	-	0.0016	0.000000064	0.000012	0.00000002	0.000000047	0.00000021	0.00061	0.0000015	0.00000058	0.0000042	0.0012	0.0000074
Operations	August	0.0000095	0.000063	-	0.0014	0.000000059	0.000011	0.000000019	0.000000043	0.0000002	0.00056	0.0000013	0.00000053	0.0000039	0.0011	0.0000068
Operations	September	0.000012	0.000078	-	0.0018	0.000000074	0.000014	0.000000023	0.000000053	0.00000024	0.0007	0.0000017	0.00000066	0.0000048	0.0014	0.0000084
Operations	October	0.000013	0.000088	-	0.002	0.000000083	0.000016	0.000000026	0.00000006	0.00000028	0.00079	0.0000019	0.00000074	0.0000055	0.0016	0.0000095
Operations	November	0.000014	0.000092	-	0.0021	0.000000087	0.000016	0.000000027	0.000000063	0.00000029	0.00083	0.000002	0.00000078	0.0000057	0.0017	0.0000099
Operations	December	0.000011	0.000076	-	0.0017	0.000000072	0.000013	0.000000023	0.000000052	0.00000024	0.00068	0.0000016	0.00000064	0.0000047	0.0014	0.0000082

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (859,949 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-19: Geochemical Source Terms, Dustfall Loadings, Genessee Lake (GEN-L)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00036	0.000038	0.0000000043	0.0000001	0.0000048	0.00064	0.000000074	0.000000065	0.000000015	0.00000014	0.000000052	0.0000028	0.000053	0.0000042
Construction	February	0.00031	0.000033	0.0000000037	0.000000089	0.0000042	0.00055	0.000000064	0.000000056	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Construction	March	0.00032	0.000033	0.0000000038	0.00000009	0.0000042	0.00056	0.000000064	0.000000056	0.000000013	0.00000012	0.000000045	0.0000024	0.000046	0.0000037
Construction	April	0.00038	0.000039	0.0000000045	0.00000011	0.000005	0.00066	0.000000076	0.000000067	0.000000015	0.00000015	0.000000053	0.0000029	0.000055	0.0000044
Construction	May	0.00038	0.000039	0.0000000045	0.00000011	0.000005	0.00067	0.000000077	0.000000067	0.000000016	0.00000015	0.000000054	0.0000029	0.000055	0.0000044
Construction	June	0.00033	0.000034	0.0000000039	0.000000094	0.0000044	0.00058	0.000000067	0.000000059	0.000000014	0.00000013	0.000000047	0.0000025	0.000048	0.0000038
Construction	July	0.00027	0.000029	0.0000000033	0.000000078	0.0000037	0.00048	0.000000056	0.000000049	0.000000011	0.00000011	0.000000039	0.0000021	0.00004	0.0000032
Construction	August	0.00025	0.000026	0.000000003	0.000000071	0.0000033	0.00044	0.000000051	0.000000044	0.00000001	0.000000099	0.000000036	0.0000019	0.000036	0.0000029
Construction	September	0.00031	0.000033	0.0000000037	0.000000088	0.0000042	0.00055	0.000000063	0.000000055	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Construction	October	0.00035	0.000037	0.0000000042	0.0000001	0.0000047	0.00062	0.000000072	0.000000063	0.000000014	0.00000014	0.00000005	0.0000027	0.000051	0.0000041
Construction	November	0.00037	0.000038	0.0000000044	0.0000001	0.0000049	0.00064	0.000000074	0.000000065	0.000000015	0.00000014	0.000000052	0.0000028	0.000053	0.0000042
Construction	December	0.0003	0.000031	0.0000000036	0.000000085	0.000004	0.00053	0.000000061	0.000000053	0.000000012	0.00000012	0.000000043	0.0000023	0.000043	0.0000035
Operations	January	0.00033	0.000034	0.0000000039	0.000000093	0.0000044	0.00057	0.000000066	0.000000058	0.000000013	0.00000013	0.000000046	0.0000025	0.000047	0.0000038
Operations	February	0.00028	0.000029	0.0000000034	0.00000008	0.0000037	0.00049	0.000000057	0.00000005	0.000000012	0.00000011	0.00000004	0.0000022	0.000041	0.0000033
Operations	March	0.00028	0.00003	0.0000000034	0.00000008	0.0000038	0.0005	0.000000058	0.00000005	0.000000012	0.00000011	0.00000004	0.0000022	0.000041	0.0000033
Operations	April	0.00034	0.000035	0.0000000004	0.000000096	0.0000045	0.00059	0.000000069	0.000000006	0.000000014	0.00000013	0.000000048	0.0000026	0.000049	0.0000039
Operations	May	0.00034	0.000035	0.0000000004	0.000000096	0.0000045	0.00059	0.000000068	0.00000006	0.000000014	0.00000013	0.000000048	0.0000026	0.000049	0.0000039
Operations	June	0.00029	0.00003	0.0000000035	0.000000083	0.0000039	0.00051	0.000000059	0.000000052	0.000000012	0.00000012	0.000000041	0.0000022	0.000042	0.0000034
Operations	July	0.00024	0.000025	0.0000000029	0.000000069	0.0000032	0.00043	0.000000049	0.000000043	0.00000001	0.000000096	0.000000035	0.0000019	0.000035	0.0000028
Operations	August	0.00022	0.000023	0.0000000027	0.000000063	0.000003	0.00039	0.000000045	0.00000004	0.0000000092	0.000000088	0.000000032	0.0000017	0.000032	0.0000026
Operations	September	0.00028	0.000029	0.0000000033	0.000000079	0.0000037	0.00049	0.000000056	0.000000049	0.000000011	0.00000011	0.000000039	0.0000021	0.00004	0.0000032
Operations	October	0.00031	0.000033	0.0000000037	0.000000089	0.0000042	0.00055	0.000000064	0.000000056	0.000000013	0.00000012	0.000000044	0.0000024	0.000045	0.0000036
Operations	November	0.00033	0.000034	0.0000000039	0.000000093	0.0000044	0.00058	0.000000067	0.000000058	0.000000013	0.00000013	0.000000047	0.0000025	0.000048	0.0000038
Operations	December	0.00027	0.000028	0.0000000032	0.000000077	0.0000036	0.00048	0.000000055	0.000000048	0.000000011	0.00000011	0.000000039	0.0000021	0.000039	0.0000031

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (859,949 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-20: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-IN)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0000015	0.00001	-	0.00023	0.0000000096	0.0000018	0.000000003	0.0000000069	0.000000032	0.000091	0.00000022	0.000000086	0.00000063	0.00018	0.0000011
Construction	February	0.0000014	0.000009	-	0.00021	0.0000000085	0.0000016	0.0000000027	0.0000000061	0.000000028	0.000081	0.00000019	0.000000076	0.00000056	0.00016	0.00000097
Construction	March	0.0000015	0.00001	-	0.00023	0.0000000096	0.0000018	0.000000003	0.000000007	0.000000032	0.000092	0.00000022	0.000000086	0.00000063	0.00018	0.0000011
Construction	April	0.0000013	0.0000083	-	0.00019	0.0000000079	0.0000015	0.0000000025	0.0000000057	0.000000026	0.000075	0.00000018	0.00000007	0.00000052	0.00015	0.0000009
Construction	May	0.0000012	0.0000081	-	0.00019	0.0000000077	0.0000014	0.0000000024	0.0000000056	0.000000026	0.000073	0.00000017	0.000000069	0.00000051	0.00015	0.00000088
Construction	June	0.0000015	0.0000098	-	0.00023	0.0000000092	0.0000017	0.0000000029	0.0000000067	0.000000031	0.000088	0.00000021	0.000000083	0.00000061	0.00018	0.0000011
Construction	July	0.0000016	0.00001	-	0.00024	0.0000000098	0.0000018	0.0000000031	0.0000000071	0.000000032	0.000093	0.00000022	0.000000087	0.00000064	0.00019	0.0000011
Construction	August	0.0000015	0.00001	-	0.00023	0.0000000095	0.0000018	0.000000003	0.0000000069	0.000000032	0.00009	0.00000021	0.000000085	0.00000062	0.00018	0.0000011
Construction	September	0.0000016	0.00001	-	0.00024	0.0000000099	0.0000019	0.0000000031	0.0000000071	0.000000033	0.000094	0.00000022	0.000000088	0.00000065	0.00019	0.0000011
Construction	October	0.0000015	0.00001	-	0.00023	0.0000000095	0.0000018	0.000000003	0.0000000069	0.000000032	0.000091	0.00000022	0.000000085	0.00000063	0.00018	0.0000011
Construction	November	0.0000015	0.00001	-	0.00023	0.0000000094	0.0000018	0.000000003	0.0000000068	0.000000031	0.00009	0.00000021	0.000000084	0.00000062	0.00018	0.0000011
Construction	December	0.0000013	0.0000088	-	0.0002	0.0000000083	0.0000016	0.0000000026	0.000000006	0.000000028	0.000079	0.00000019	0.000000074	0.00000055	0.00016	0.00000095
Operations	January	0.0000011	0.000007	-	0.00016	0.0000000066	0.0000012	0.0000000021	0.0000000048	0.000000022	0.000063	0.00000015	0.000000059	0.00000043	0.00013	0.00000075
Operations	February	0.00000094	0.0000062	-	0.00014	0.0000000059	0.0000011	0.0000000018	0.0000000042	0.00000002	0.000056	0.00000013	0.000000052	0.00000039	0.00011	0.00000067
Operations	March	0.0000011	0.0000071	-	0.00016	0.0000000067	0.0000013	0.0000000021	0.0000000049	0.000000022	0.000064	0.00000015	0.00000006	0.00000044	0.00013	0.00000077
Operations	April	0.00000088	0.0000058	-	0.00013	0.0000000055	0.000001	0.0000000017	0.000000004	0.000000018	0.000053	0.00000012	0.000000049	0.00000036	0.00011	0.00000063
Operations	May	0.00000086	0.0000057	-	0.00013	0.0000000054	0.000001	0.0000000017	0.0000000039	0.000000018	0.000052	0.00000012	0.000000048	0.00000036	0.0001	0.00000062
Operations	June	0.000001	0.0000069	-	0.00016	0.0000000065	0.0000012	0.000000002	0.0000000047	0.000000022	0.000062	0.00000015	0.000000058	0.00000043	0.00013	0.00000074
Operations	July	0.0000011	0.0000073	-	0.00017	0.0000000069	0.0000013	0.0000000022	0.000000005	0.000000023	0.000065	0.00000015	0.000000061	0.00000045	0.00013	0.00000078
Operations	August	0.0000011	0.000007	-	0.00016	0.0000000066	0.0000012	0.0000000021	0.0000000048	0.000000022	0.000063	0.00000015	0.000000059	0.00000044	0.00013	0.00000076
Operations	September	0.0000011	0.0000073	-	0.00017	0.0000000069	0.0000013	0.0000000022	0.000000005	0.000000023	0.000066	0.00000016	0.000000062	0.00000045	0.00013	0.00000079
Operations	October	0.0000011	0.0000071	-	0.00016	0.0000000067	0.0000013	0.0000000021	0.0000000048	0.000000022	0.000064	0.00000015	0.00000006	0.00000044	0.00013	0.00000076
Operations	November	0.0000011	0.000007	-	0.00016	0.0000000066	0.0000012	0.0000000021	0.0000000048	0.000000022	0.000063	0.00000015	0.000000059	0.00000044	0.00013	0.00000076
Operations	December	0.00000091	0.000006	-	0.00014	0.0000000057	0.0000011	0.0000000018	0.0000000041	0.000000019	0.000054	0.00000013	0.000000051	0.00000037	0.00011	0.00000065

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (197,327 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-20: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-IN)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.000036	0.0000038	0.00000000043	0.00000001	0.00000048	0.000064	0.0000000073	0.0000000064	0.0000000015	0.000000014	0.0000000051	0.00000028	0.0000052	0.00000042
Construction	February	0.000032	0.0000033	0.00000000038	0.0000000091	0.00000043	0.000056	0.0000000065	0.0000000057	0.0000000013	0.000000013	0.0000000045	0.00000025	0.0000046	0.00000037
Construction	March	0.000036	0.0000038	0.00000000043	0.00000001	0.00000048	0.000064	0.0000000074	0.0000000064	0.0000000015	0.000000014	0.0000000052	0.00000028	0.0000053	0.00000042
Construction	April	0.00003	0.0000031	0.00000000036	0.0000000084	0.0000004	0.000052	0.000000006	0.0000000053	0.0000000012	0.000000012	0.0000000042	0.00000023	0.0000043	0.00000034
Construction	May	0.000029	0.000003	0.00000000035	0.0000000082	0.00000039	0.000051	0.0000000059	0.0000000052	0.0000000012	0.000000011	0.0000000041	0.00000022	0.0000042	0.00000034
Construction	June	0.000035	0.0000036	0.00000000042	0.0000000099	0.00000047	0.000061	0.0000000071	0.0000000062	0.0000000014	0.000000014	0.000000005	0.00000027	0.0000051	0.0000004
Construction	July	0.000037	0.0000039	0.00000000044	0.00000001	0.00000049	0.000065	0.0000000075	0.0000000066	0.0000000015	0.000000015	0.0000000052	0.00000028	0.0000054	0.00000043
Construction	August	0.000036	0.0000037	0.00000000043	0.00000001	0.00000048	0.000063	0.0000000073	0.0000000064	0.0000000015	0.000000014	0.0000000051	0.00000028	0.0000052	0.00000041
Construction	September	0.000037	0.0000039	0.00000000044	0.000000011	0.0000005	0.000066	0.0000000076	0.0000000066	0.0000000015	0.000000015	0.0000000053	0.00000029	0.0000054	0.00000043
Construction	October	0.000036	0.0000038	0.00000000043	0.00000001	0.00000048	0.000063	0.0000000073	0.0000000064	0.0000000015	0.000000014	0.0000000051	0.00000028	0.0000052	0.00000042
Construction	November	0.000036	0.0000037	0.00000000043	0.00000001	0.00000047	0.000063	0.0000000072	0.0000000063	0.0000000015	0.000000014	0.0000000051	0.00000027	0.0000052	0.00000041
Construction	December	0.000031	0.0000033	0.00000000037	0.0000000089	0.00000042	0.000055	0.0000000064	0.0000000056	0.0000000013	0.000000012	0.0000000044	0.00000024	0.0000045	0.00000036
Operations	January	0.000025	0.0000026	0.0000000003	0.0000000071	0.00000033	0.000044	0.0000000051	0.0000000044	0.000000001	0.0000000099	0.0000000035	0.00000019	0.0000036	0.00000029
Operations	February	0.000022	0.0000023	0.00000000026	0.0000000063	0.0000003	0.000039	0.0000000045	0.0000000039	0.00000000091	0.0000000088	0.0000000031	0.00000017	0.0000032	0.00000026
Operations	March	0.000025	0.0000027	0.0000000003	0.0000000072	0.00000034	0.000045	0.0000000052	0.0000000045	0.000000001	0.00000001	0.0000000036	0.0000002	0.0000037	0.00000029
Operations	April	0.000021	0.0000022	0.00000000025	0.0000000059	0.00000028	0.000037	0.0000000042	0.0000000037	0.00000000086	0.0000000082	0.000000003	0.00000016	0.000003	0.00000024
Operations	May	0.00002	0.0000021	0.00000000024	0.0000000058	0.00000027	0.000036	0.0000000041	0.0000000036	0.00000000084	0.0000000081	0.0000000029	0.00000016	0.000003	0.00000024
Operations	June	0.000025	0.0000026	0.00000000029	0.000000007	0.00000033	0.000043	0.000000005	0.0000000044	0.000000001	0.0000000097	0.0000000035	0.00000019	0.0000036	0.00000028
Operations	July	0.000026	0.0000027	0.00000000031	0.0000000073	0.00000035	0.000046	0.0000000053	0.0000000046	0.0000000011	0.00000001	0.0000000037	0.0000002	0.0000038	0.0000003
Operations	August	0.000025	0.0000026	0.0000000003	0.0000000071	0.00000033	0.000044	0.0000000051	0.0000000045	0.000000001	0.0000000099	0.0000000036	0.00000019	0.0000036	0.00000029
Operations	September	0.000026	0.0000027	0.00000000031	0.0000000074	0.00000035	0.000046	0.0000000053	0.0000000046	0.0000000011	0.00000001	0.0000000037	0.0000002	0.0000038	0.0000003
Operations	October	0.000025	0.0000026	0.0000000003	0.0000000072	0.00000034	0.000044	0.0000000051	0.0000000045	0.000000001	0.00000001	0.0000000036	0.00000019	0.0000037	0.00000029
Operations	November	0.000025	0.0000026	0.0000000003	0.0000000071	0.00000033	0.000044	0.0000000051	0.0000000044	0.000000001	0.0000000099	0.0000000036	0.00000019	0.0000036	0.00000029
Operations	December	0.000022	0.0000022	0.00000000026	0.0000000061	0.00000029	0.000038	0.0000000044	0.0000000038	0.00000000088	0.0000000085	0.0000000031	0.00000017	0.0000031	0.00000025

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (197,327 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-21: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-L)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000097	0.00064	-	0.015	0.00000061	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000054	0.00004	0.012	0.00007
Construction	February	0.000086	0.00057	-	0.013	0.00000054	0.0001	0.00000017	0.00000039	0.0000018	0.0051	0.000012	0.0000048	0.000035	0.01	0.000062
Construction	March	0.000098	0.00065	-	0.015	0.00000061	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000055	0.00004	0.012	0.00007
Construction	April	0.00008	0.00053	-	0.012	0.0000005	0.000094	0.00000016	0.00000036	0.0000017	0.0048	0.000011	0.0000045	0.000033	0.0096	0.000057
Construction	May	0.000078	0.00052	-	0.012	0.00000049	0.000092	0.00000015	0.00000035	0.0000016	0.0047	0.000011	0.0000044	0.000032	0.0094	0.000056
Construction	June	0.000094	0.00062	-	0.014	0.00000059	0.00011	0.00000018	0.00000043	0.000002	0.0056	0.000013	0.0000052	0.000039	0.011	0.000067
Construction	July	0.000099	0.00066	-	0.015	0.00000062	0.00012	0.0000002	0.00000045	0.0000021	0.0059	0.000014	0.0000055	0.000041	0.012	0.000071
Construction	August	0.000096	0.00064	-	0.015	0.0000006	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000054	0.00004	0.012	0.000069
Construction	September	0.0001	0.00066	-	0.015	0.00000063	0.00012	0.0000002	0.00000045	0.0000021	0.006	0.000014	0.0000056	0.000041	0.012	0.000072
Construction	October	0.000097	0.00064	-	0.015	0.0000006	0.00011	0.00000019	0.00000044	0.000002	0.0058	0.000014	0.0000054	0.00004	0.012	0.000069
Construction	November	0.000096	0.00063	-	0.015	0.0000006	0.00011	0.00000019	0.00000043	0.000002	0.0057	0.000014	0.0000054	0.000039	0.012	0.000068
Construction	December	0.000084	0.00056	-	0.013	0.00000053	0.000099	0.00000017	0.00000038	0.0000018	0.005	0.000012	0.0000047	0.000035	0.01	0.00006
Operations	January	0.000067	0.00044	-	0.01	0.00000042	0.000079	0.00000013	0.0000003	0.0000014	0.004	0.0000095	0.0000038	0.000028	0.0081	0.000048
Operations	February	0.00006	0.0004	-	0.0091	0.00000037	0.00007	0.00000012	0.00000027	0.0000012	0.0036	0.0000084	0.0000033	0.000025	0.0072	0.000043
Operations	March	0.000069	0.00045	-	0.01	0.00000043	0.00008	0.00000013	0.00000031	0.0000014	0.0041	0.0000097	0.0000038	0.000028	0.0082	0.000049
Operations	April	0.000056	0.00037	-	0.0085	0.00000035	0.000066	0.00000011	0.00000025	0.0000012	0.0033	0.0000079	0.0000031	0.000023	0.0067	0.00004
Operations	May	0.000055	0.00036	-	0.0084	0.00000034	0.000065	0.00000011	0.00000025	0.0000011	0.0033	0.0000078	0.0000031	0.000023	0.0066	0.000039
Operations	June	0.000066	0.00044	-	0.01	0.00000041	0.000078	0.00000013	0.0000003	0.0000014	0.0039	0.0000093	0.0000037	0.000027	0.0079	0.000047
Operations	July	0.00007	0.00046	-	0.011	0.00000044	0.000082	0.00000014	0.00000032	0.0000014	0.0042	0.0000098	0.0000039	0.000029	0.0084	0.00005
Operations	August	0.000068	0.00045	-	0.01	0.00000042	0.000079	0.00000013	0.00000031	0.0000014	0.004	0.0000095	0.0000038	0.000028	0.0081	0.000048
Operations	September	0.00007	0.00047	-	0.011	0.00000044	0.000083	0.00000014	0.00000032	0.0000015	0.0042	0.0000099	0.0000039	0.000029	0.0084	0.00005
Operations	October	0.000068	0.00045	-	0.01	0.00000042	0.00008	0.00000013	0.00000031	0.0000014	0.0041	0.0000096	0.0000038	0.000028	0.0082	0.000049
Operations	November	0.000067	0.00045	-	0.01	0.00000042	0.000079	0.00000013	0.0000003	0.0000014	0.004	0.0000095	0.0000038	0.000028	0.0081	0.000048
Operations	December	0.000058	0.00038	-	0.0088	0.00000036	0.000068	0.00000011	0.00000026	0.0000012	0.0035	0.0000082	0.0000032	0.000024	0.007	0.000041

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (12,542,921 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-21: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-L)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0023	0.00024	0.000000027	0.00000065	0.000031	0.004	0.00000047	0.00000041	0.000000094	0.00000091	0.00000033	0.000018	0.00033	0.000027
Construction	February	0.002	0.00021	0.000000024	0.00000058	0.000027	0.0036	0.00000041	0.00000036	0.000000084	0.00000081	0.00000029	0.000016	0.0003	0.000024
Construction	March	0.0023	0.00024	0.000000028	0.00000065	0.000031	0.0041	0.00000047	0.00000041	0.000000095	0.00000091	0.00000033	0.000018	0.00033	0.000027
Construction	April	0.0019	0.0002	0.000000023	0.00000054	0.000025	0.0033	0.00000038	0.00000034	0.000000078	0.00000075	0.00000027	0.000015	0.00027	0.000022
Construction	May	0.0018	0.00019	0.000000022	0.00000052	0.000025	0.0033	0.00000038	0.00000033	0.000000076	0.00000073	0.00000026	0.000014	0.00027	0.000021
Construction	June	0.0022	0.00023	0.000000027	0.00000063	0.00003	0.0039	0.00000045	0.00000039	0.000000091	0.00000088	0.00000032	0.000017	0.00032	0.000026
Construction	July	0.0023	0.00024	0.000000028	0.00000067	0.000031	0.0041	0.00000048	0.00000042	0.000000096	0.00000093	0.00000033	0.000018	0.00034	0.000027
Construction	August	0.0023	0.00024	0.000000027	0.00000065	0.00003	0.004	0.00000046	0.0000004	0.000000093	0.0000009	0.00000032	0.000017	0.00033	0.000026
Construction	September	0.0024	0.00025	0.000000028	0.00000067	0.000032	0.0042	0.00000048	0.00000042	0.000000097	0.00000094	0.00000034	0.000018	0.00034	0.000027
Construction	October	0.0023	0.00024	0.000000027	0.00000065	0.00003	0.004	0.00000046	0.00000041	0.000000094	0.0000009	0.00000032	0.000018	0.00033	0.000026
Construction	November	0.0023	0.00024	0.000000027	0.00000064	0.00003	0.004	0.00000046	0.0000004	0.000000093	0.0000009	0.00000032	0.000017	0.00033	0.000026
Construction	December	0.002	0.00021	0.000000024	0.00000056	0.000027	0.0035	0.0000004	0.00000035	0.000000082	0.00000079	0.00000028	0.000015	0.00029	0.000023
Operations	January	0.0016	0.00017	0.000000019	0.00000045	0.000021	0.0028	0.00000032	0.00000028	0.000000065	0.00000063	0.00000023	0.000012	0.00023	0.000018
Operations	February	0.0014	0.00015	0.000000017	0.0000004	0.000019	0.0025	0.00000029	0.00000025	0.000000058	0.00000056	0.0000002	0.000011	0.0002	0.000016
Operations	March	0.0016	0.00017	0.000000019	0.00000046	0.000022	0.0028	0.00000033	0.00000029	0.000000066	0.00000064	0.00000023	0.000012	0.00023	0.000019
Operations	April	0.0013	0.00014	0.000000016	0.00000038	0.000018	0.0023	0.00000027	0.00000024	0.000000054	0.00000052	0.00000019	0.00001	0.00019	0.000015
Operations	May	0.0013	0.00014	0.000000015	0.00000037	0.000017	0.0023	0.00000026	0.00000023	0.000000053	0.00000051	0.00000018	0.00001	0.00019	0.000015
Operations	June	0.0016	0.00016	0.000000019	0.00000044	0.000021	0.0027	0.00000032	0.00000028	0.000000064	0.00000062	0.00000022	0.000012	0.00023	0.000018
Operations	July	0.0016	0.00017	0.00000002	0.00000047	0.000022	0.0029	0.00000033	0.00000029	0.000000068	0.00000065	0.00000023	0.000013	0.00024	0.000019
Operations	August	0.0016	0.00017	0.000000019	0.00000045	0.000021	0.0028	0.00000032	0.00000028	0.000000065	0.00000063	0.00000023	0.000012	0.00023	0.000018
Operations	September	0.0017	0.00017	0.00000002	0.00000047	0.000022	0.0029	0.00000034	0.00000029	0.000000068	0.00000066	0.00000024	0.000013	0.00024	0.000019
Operations	October	0.0016	0.00017	0.000000019	0.00000046	0.000021	0.0028	0.00000033	0.00000028	0.000000066	0.00000063	0.00000023	0.000012	0.00023	0.000019
Operations	November	0.0016	0.00017	0.000000019	0.00000045	0.000021	0.0028	0.00000032	0.00000028	0.000000065	0.00000063	0.00000023	0.000012	0.00023	0.000018
Operations	December	0.0014	0.00014	0.000000016	0.00000039	0.000018	0.0024	0.00000028	0.00000024	0.000000056	0.00000054	0.00000019	0.000011	0.0002	0.000016

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (12,542,921 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-22: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-OUT)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000036	0.00024	-	0.0054	0.00000022	0.000042	0.00000007	0.00000016	0.00000074	0.0021	0.000005	0.000002	0.000015	0.0043	0.000025
Construction	February	0.000032	0.00021	-	0.0049	0.0000002	0.000038	0.000000064	0.00000015	0.00000067	0.0019	0.0000046	0.0000018	0.000013	0.0039	0.000023
Construction	March	0.000042	0.00028	-	0.0064	0.00000026	0.000049	0.000000083	0.00000019	0.00000087	0.0025	0.0000059	0.0000023	0.000017	0.0051	0.00003
Construction	April	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Construction	May	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Construction	June	0.000032	0.00021	-	0.0049	0.0000002	0.000038	0.000000063	0.00000015	0.00000067	0.0019	0.0000046	0.0000018	0.000013	0.0039	0.000023
Construction	July	0.000034	0.00022	-	0.0052	0.00000021	0.00004	0.000000067	0.00000015	0.0000007	0.002	0.0000048	0.0000019	0.000014	0.0041	0.000024
Construction	August	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Construction	September	0.000039	0.00026	-	0.0059	0.00000024	0.000046	0.000000076	0.00000018	0.00000081	0.0023	0.0000055	0.0000022	0.000016	0.0047	0.000028
Construction	October	0.000036	0.00024	-	0.0055	0.00000022	0.000042	0.000000071	0.00000016	0.00000075	0.0021	0.0000051	0.000002	0.000015	0.0043	0.000026
Construction	November	0.000038	0.00025	-	0.0058	0.00000024	0.000045	0.000000075	0.00000017	0.0000008	0.0023	0.0000054	0.0000021	0.000016	0.0046	0.000027
Construction	December	0.000033	0.00022	-	0.005	0.00000021	0.000039	0.000000065	0.00000015	0.00000068	0.002	0.0000046	0.0000018	0.000014	0.0039	0.000023
Operations	January	0.000036	0.00024	-	0.0054	0.00000022	0.000042	0.00000007	0.00000016	0.00000074	0.0021	0.000005	0.000002	0.000015	0.0043	0.000025
Operations	February	0.000032	0.00021	-	0.0049	0.0000002	0.000038	0.000000064	0.00000015	0.00000067	0.0019	0.0000046	0.0000018	0.000013	0.0039	0.000023
Operations	March	0.000042	0.00028	-	0.0064	0.00000026	0.000049	0.000000083	0.00000019	0.00000087	0.0025	0.0000059	0.0000023	0.000017	0.0051	0.00003
Operations	April	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Operations	May	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Operations	June	0.000032	0.00021	-	0.0049	0.0000002	0.000038	0.000000063	0.00000015	0.00000067	0.0019	0.0000046	0.0000018	0.000013	0.0039	0.000023
Operations	July	0.000034	0.00022	-	0.0052	0.00000021	0.00004	0.000000067	0.00000015	0.0000007	0.002	0.0000048	0.0000019	0.000014	0.0041	0.000024
Operations	August	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Operations	September	0.000039	0.00026	-	0.0059	0.00000024	0.000046	0.000000076	0.00000018	0.00000081	0.0023	0.0000055	0.0000022	0.000016	0.0047	0.000028
Operations	October	0.000036	0.00024	-	0.0055	0.00000022	0.000042	0.000000071	0.00000016	0.00000075	0.0021	0.0000051	0.000002	0.000015	0.0043	0.000026
Operations	November	0.000038	0.00025	-	0.0058	0.00000024	0.000045	0.000000075	0.00000017	0.0000008	0.0023	0.0000054	0.0000021	0.000016	0.0046	0.000027
Operations	December	0.000033	0.00022	-	0.005	0.00000021	0.000039	0.000000065	0.00000015	0.00000068	0.002	0.0000046	0.0000018	0.000014	0.0039	0.000023

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (7,301,790 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-22: Geochemical Source Terms, Dustfall Loadings, Pakwash Lake (PAK-OUT)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00084	0.000088	0.00000001	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000034	0.00000033	0.00000012	0.0000064	0.00012	0.0000097
Construction	February	0.00077	0.00008	0.0000000092	0.00000022	0.00001	0.0013	0.00000016	0.00000014	0.000000031	0.0000003	0.00000011	0.0000059	0.00011	0.0000089
Construction	March	0.00099	0.0001	0.000000012	0.00000028	0.000013	0.0017	0.0000002	0.00000018	0.000000041	0.00000039	0.00000014	0.0000076	0.00014	0.000011
Construction	April	0.00082	0.000085	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Construction	May	0.00082	0.000086	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Construction	June	0.00076	0.00008	0.0000000091	0.00000022	0.00001	0.0013	0.00000015	0.00000014	0.000000031	0.0000003	0.00000011	0.0000058	0.00011	0.0000088
Construction	July	0.0008	0.000084	0.0000000096	0.00000023	0.000011	0.0014	0.00000016	0.00000014	0.000000033	0.00000032	0.00000011	0.0000061	0.00012	0.0000093
Construction	August	0.00082	0.000086	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Construction	September	0.00092	0.000096	0.000000011	0.00000026	0.000012	0.0016	0.00000019	0.00000016	0.000000038	0.00000036	0.00000013	0.000007	0.00013	0.000011
Construction	October	0.00085	0.000089	0.00000001	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000035	0.00000034	0.00000012	0.0000065	0.00012	0.0000098
Construction	November	0.00091	0.000095	0.000000011	0.00000026	0.000012	0.0016	0.00000018	0.00000016	0.000000037	0.00000036	0.00000013	0.000007	0.00013	0.00001
Construction	December	0.00077	0.000081	0.0000000093	0.00000022	0.00001	0.0014	0.00000016	0.00000014	0.000000032	0.00000031	0.00000011	0.000006	0.00011	0.000009
Operations	January	0.00084	0.000088	0.00000001	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000034	0.00000033	0.00000012	0.0000064	0.00012	0.0000097
Operations	February	0.00077	0.00008	0.0000000092	0.00000022	0.00001	0.0013	0.00000016	0.00000014	0.000000031	0.0000003	0.00000011	0.0000059	0.00011	0.0000089
Operations	March	0.00099	0.0001	0.000000012	0.00000028	0.000013	0.0017	0.0000002	0.00000018	0.000000041	0.00000039	0.00000014	0.0000076	0.00014	0.000011
Operations	April	0.00082	0.000085	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Operations	May	0.00082	0.000086	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Operations	June	0.00076	0.00008	0.0000000091	0.00000022	0.00001	0.0013	0.00000015	0.00000014	0.000000031	0.0000003	0.00000011	0.0000058	0.00011	0.0000088
Operations	July	0.0008	0.000084	0.0000000096	0.00000023	0.000011	0.0014	0.00000016	0.00000014	0.000000033	0.00000032	0.00000011	0.0000061	0.00012	0.0000093
Operations	August	0.00082	0.000086	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Operations	September	0.00092	0.000096	0.000000011	0.00000026	0.000012	0.0016	0.00000019	0.00000016	0.000000038	0.00000036	0.00000013	0.000007	0.00013	0.000011
Operations	October	0.00085	0.000089	0.00000001	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000035	0.00000034	0.00000012	0.0000065	0.00012	0.0000098
Operations	November	0.00091	0.000095	0.000000011	0.00000026	0.000012	0.0016	0.00000018	0.00000016	0.000000037	0.00000036	0.00000013	0.000007	0.00013	0.00001
Operations	December	0.00077	0.000081	0.0000000093	0.00000022	0.00001	0.0014	0.00000016	0.00000014	0.000000032	0.00000031	0.00000011	0.000006	0.00011	0.000009

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (7,301,790 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-23: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-1)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0000096	0.000063	-	0.0015	0.00000006	0.000011	0.000000019	0.000000043	0.0000002	0.00057	0.0000014	0.00000054	0.0000039	0.0012	0.0000068
Construction	February	0.0000086	0.000057	-	0.0013	0.000000054	0.00001	0.000000017	0.000000039	0.00000018	0.00051	0.0000012	0.00000048	0.0000035	0.001	0.0000062
Construction	March	0.0000094	0.000062	-	0.0014	0.000000059	0.000011	0.000000018	0.000000042	0.00000019	0.00056	0.0000013	0.00000052	0.0000039	0.0011	0.0000067
Construction	April	0.000011	0.000071	-	0.0016	0.000000068	0.000013	0.000000021	0.000000049	0.00000022	0.00064	0.0000015	0.0000006	0.0000044	0.0013	0.0000077
Construction	May	0.0000095	0.000063	-	0.0015	0.00000006	0.000011	0.000000019	0.000000043	0.0000002	0.00057	0.0000013	0.00000053	0.0000039	0.0011	0.0000068
Construction	June	0.0000076	0.00005	-	0.0012	0.000000048	0.000009	0.000000015	0.000000034	0.00000016	0.00045	0.0000011	0.00000043	0.0000031	0.00092	0.0000054
Construction	July	0.0000073	0.000048	-	0.0011	0.000000045	0.0000085	0.000000014	0.000000033	0.00000015	0.00043	0.000001	0.00000041	0.000003	0.00087	0.0000052
Construction	August	0.0000071	0.000047	-	0.0011	0.000000044	0.0000084	0.000000014	0.000000032	0.00000015	0.00042	0.000001	0.0000004	0.0000029	0.00085	0.0000051
Construction	September	0.0000079	0.000052	-	0.0012	0.000000049	0.0000093	0.000000016	0.000000036	0.00000016	0.00047	0.0000011	0.00000044	0.0000033	0.00095	0.0000057
Construction	October	0.0000082	0.000054	-	0.0012	0.000000051	0.0000096	0.000000016	0.000000037	0.00000017	0.00049	0.0000012	0.00000046	0.0000034	0.00099	0.0000059
Construction	November	0.0000092	0.000061	-	0.0014	0.000000057	0.000011	0.000000018	0.000000042	0.00000019	0.00055	0.0000013	0.00000051	0.0000038	0.0011	0.0000066
Construction	December	0.0000089	0.000059	-	0.0014	0.000000056	0.000011	0.000000018	0.00000004	0.00000019	0.00053	0.0000013	0.0000005	0.0000037	0.0011	0.0000064
Operations	January	0.0000038	0.000025	-	0.00058	0.000000024	0.0000045	0.0000000075	0.000000017	0.000000079	0.00023	0.00000054	0.00000021	0.0000016	0.00046	0.0000027
Operations	February	0.0000035	0.000023	-	0.00053	0.000000022	0.0000041	0.0000000069	0.000000016	0.000000072	0.00021	0.00000049	0.00000019	0.0000014	0.00042	0.0000025
Operations	March	0.0000038	0.000025	-	0.00057	0.000000024	0.0000044	0.0000000074	0.000000017	0.000000078	0.00022	0.00000053	0.00000021	0.0000015	0.00045	0.0000027
Operations	April	0.0000042	0.000028	-	0.00064	0.000000026	0.0000049	0.0000000083	0.000000019	0.000000087	0.00025	0.00000059	0.00000024	0.0000017	0.00051	0.000003
Operations	May	0.0000038	0.000025	-	0.00057	0.000000023	0.0000044	0.0000000074	0.000000017	0.000000078	0.00022	0.00000053	0.00000021	0.0000015	0.00045	0.0000027
Operations	June	0.0000031	0.00002	-	0.00047	0.000000019	0.0000036	0.000000006	0.000000014	0.000000064	0.00018	0.00000043	0.00000017	0.0000013	0.00037	0.0000022
Operations	July	0.0000029	0.000019	-	0.00045	0.000000018	0.0000034	0.0000000058	0.000000013	0.000000061	0.00017	0.00000041	0.00000016	0.0000012	0.00035	0.0000021
Operations	August	0.0000029	0.000019	-	0.00044	0.000000018	0.0000034	0.0000000057	0.000000013	0.00000006	0.00017	0.00000041	0.00000016	0.0000012	0.00035	0.0000021
Operations	September	0.0000032	0.000021	-	0.00048	0.00000002	0.0000037	0.0000000063	0.000000014	0.000000066	0.00019	0.00000045	0.00000018	0.0000013	0.00038	0.0000023
Operations	October	0.0000033	0.000022	-	0.0005	0.000000021	0.0000039	0.0000000065	0.000000015	0.000000069	0.0002	0.00000047	0.00000018	0.0000014	0.0004	0.0000024
Operations	November	0.0000036	0.000024	-	0.00055	0.000000023	0.0000043	0.0000000071	0.000000016	0.000000075	0.00022	0.00000051	0.0000002	0.0000015	0.00044	0.0000026
Operations	December	0.0000036	0.000024	-	0.00055	0.000000022	0.0000042	0.0000000071	0.000000016	0.000000075	0.00021	0.00000051	0.0000002	0.0000015	0.00043	0.0000026

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (29,788 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-23: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-1)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.00023	0.000024	0.0000000027	0.000000064	0.000003	0.0004	0.000000046	0.00000004	0.0000000093	0.000000089	0.000000032	0.0000017	0.000033	0.0000026
Construction	February	0.0002	0.000021	0.0000000024	0.000000058	0.0000027	0.00036	0.000000041	0.000000036	0.0000000084	0.000000081	0.000000029	0.0000016	0.00003	0.0000024
Construction	March	0.00022	0.000023	0.0000000026	0.000000063	0.000003	0.00039	0.000000045	0.000000039	0.0000000091	0.000000088	0.000000031	0.0000017	0.000032	0.0000026
Construction	April	0.00025	0.000027	0.000000003	0.000000072	0.0000034	0.00045	0.000000052	0.000000045	0.00000001	0.0000001	0.000000036	0.000002	0.000037	0.000003
Construction	May	0.00023	0.000024	0.0000000027	0.000000064	0.000003	0.0004	0.000000046	0.00000004	0.0000000092	0.000000089	0.000000032	0.0000017	0.000033	0.0000026
Construction	June	0.00018	0.000019	0.0000000022	0.000000051	0.0000024	0.00032	0.000000037	0.000000032	0.0000000074	0.000000071	0.000000026	0.0000014	0.000026	0.0000021
Construction	July	0.00017	0.000018	0.000000002	0.000000049	0.0000023	0.0003	0.000000035	0.00000003	0.000000007	0.000000068	0.000000024	0.0000013	0.000025	0.000002
Construction	August	0.00017	0.000018	0.000000002	0.000000048	0.0000022	0.0003	0.000000034	0.00000003	0.0000000069	0.000000066	0.000000024	0.0000013	0.000024	0.0000019
Construction	September	0.00019	0.00002	0.0000000022	0.000000053	0.0000025	0.00033	0.000000038	0.000000033	0.0000000077	0.000000074	0.000000027	0.0000014	0.000027	0.0000022
Construction	October	0.00019	0.00002	0.0000000023	0.000000055	0.0000026	0.00034	0.000000039	0.000000034	0.0000000079	0.000000077	0.000000027	0.0000015	0.000028	0.0000022
Construction	November	0.00022	0.000023	0.0000000026	0.000000062	0.0000029	0.00038	0.000000044	0.000000038	0.0000000089	0.000000086	0.000000031	0.0000017	0.000031	0.0000025
Construction	December	0.00021	0.000022	0.0000000025	0.00000006	0.0000028	0.00037	0.000000043	0.000000037	0.0000000087	0.000000083	0.00000003	0.0000016	0.000031	0.0000024
Operations	January	0.000089	0.0000093	0.0000000011	0.000000025	0.0000012	0.00016	0.000000018	0.000000016	0.0000000037	0.000000035	0.000000013	0.00000069	0.000013	0.000001
Operations	February	0.000082	0.0000086	0.00000000098	0.000000023	0.0000011	0.00014	0.000000017	0.000000015	0.0000000034	0.000000033	0.000000012	0.00000063	0.000012	0.00000095
Operations	March	0.000089	0.0000093	0.0000000011	0.000000025	0.0000012	0.00016	0.000000018	0.000000016	0.0000000036	0.000000035	0.000000013	0.00000068	0.000013	0.000001
Operations	April	0.000099	0.00001	0.0000000012	0.000000028	0.0000013	0.00017	0.00000002	0.000000018	0.0000000041	0.000000039	0.000000014	0.00000076	0.000014	0.0000012
Operations	May	0.000089	0.0000093	0.0000000011	0.000000025	0.0000012	0.00016	0.000000018	0.000000016	0.0000000036	0.000000035	0.000000013	0.00000068	0.000013	0.000001
Operations	June	0.000072	0.0000075	0.00000000086	0.00000002	0.00000096	0.00013	0.000000015	0.000000013	0.000000003	0.000000029	0.00000001	0.00000055	0.00001	0.00000084
Operations	July	0.000069	0.0000072	0.00000000083	0.00000002	0.00000092	0.00012	0.000000014	0.000000012	0.0000000028	0.000000027	0.0000000098	0.00000053	0.00001	0.0000008
Operations	August	0.000069	0.0000072	0.00000000082	0.000000019	0.00000091	0.00012	0.000000014	0.000000012	0.0000000028	0.000000027	0.0000000097	0.00000053	0.00001	0.00000079
Operations	September	0.000075	0.0000078	0.0000000009	0.000000021	0.000001	0.00013	0.000000015	0.000000013	0.0000000031	0.00000003	0.000000011	0.00000058	0.000011	0.00000087
Operations	October	0.000078	0.0000081	0.00000000093	0.000000022	0.000001	0.00014	0.000000016	0.000000014	0.0000000032	0.000000031	0.000000011	0.0000006	0.000011	0.0000009
Operations	November	0.000086	0.000009	0.000000001	0.000000024	0.0000011	0.00015	0.000000017	0.000000015	0.0000000035	0.000000034	0.000000012	0.00000066	0.000012	0.00000099
Operations	December	0.000085	0.0000088	0.000000001	0.000000024	0.0000011	0.00015	0.000000017	0.000000015	0.0000000035	0.000000033	0.000000012	0.00000065	0.000012	0.00000098

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (29,788 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-24: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-2)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000000083	0.00000055	-	0.000013	0.00000000052	0.000000097	0.00000000016	0.00000000037	0.0000000017	0.0000049	0.000000012	0.0000000046	0.000000034	0.0000099	0.000000059
Construction	February	0.000000079	0.00000052	-	0.000012	0.00000000049	0.000000093	0.00000000016	0.00000000036	0.0000000016	0.0000047	0.000000011	0.0000000044	0.000000033	0.0000095	0.000000056
Construction	March	0.000000077	0.00000051	-	0.000012	0.00000000048	0.00000009	0.00000000015	0.00000000035	0.0000000016	0.0000046	0.000000011	0.0000000043	0.000000032	0.0000092	0.000000055
Construction	April	0.000000066	0.00000043	-	0.00001	0.00000000041	0.000000077	0.00000000013	0.0000000003	0.0000000014	0.0000039	0.0000000093	0.0000000037	0.000000027	0.0000079	0.000000047
Construction	May	0.000000063	0.00000042	-	0.0000096	0.00000000039	0.000000074	0.00000000012	0.00000000029	0.0000000013	0.0000038	0.0000000089	0.0000000035	0.000000026	0.0000076	0.000000045
Construction	June	0.000000079	0.00000052	-	0.000012	0.00000000049	0.000000093	0.00000000016	0.00000000036	0.0000000016	0.0000047	0.000000011	0.0000000044	0.000000032	0.0000095	0.000000056
Construction	July	0.000000079	0.00000052	-	0.000012	0.00000000049	0.000000092	0.00000000015	0.00000000035	0.0000000016	0.0000047	0.000000011	0.0000000044	0.000000032	0.0000094	0.000000056
Construction	August	0.000000073	0.00000048	-	0.000011	0.00000000045	0.000000085	0.00000000014	0.00000000033	0.0000000015	0.0000043	0.00000001	0.000000004	0.00000003	0.0000087	0.000000052
Construction	September	0.00000008	0.00000053	-	0.000012	0.0000000005	0.000000095	0.00000000016	0.00000000036	0.0000000017	0.0000048	0.000000011	0.0000000045	0.000000033	0.0000097	0.000000057
Construction	October	0.000000081	0.00000054	-	0.000012	0.00000000051	0.000000095	0.00000000016	0.00000000037	0.0000000017	0.0000048	0.000000011	0.0000000045	0.000000033	0.0000097	0.000000058
Construction	November	0.000000084	0.00000056	-	0.000013	0.00000000053	0.000000099	0.00000000017	0.00000000038	0.0000000017	0.000005	0.000000012	0.0000000047	0.000000035	0.00001	0.00000006
Construction	December	0.000000081	0.00000054	-	0.000012	0.00000000051	0.000000095	0.00000000016	0.00000000037	0.0000000017	0.0000048	0.000000011	0.0000000045	0.000000033	0.0000098	0.000000058
Operations	January	0.000000031	0.0000002	-	0.0000047	0.00000000019	0.000000036	0.00000000006	0.00000000014	0.00000000064	0.0000018	0.0000000043	0.0000000017	0.000000013	0.0000037	0.000000022
Operations	February	0.000000028	0.00000019	-	0.0000043	0.00000000018	0.000000033	0.000000000055	0.00000000013	0.00000000058	0.0000017	0.000000004	0.0000000016	0.000000012	0.0000034	0.00000002
Operations	March	0.000000029	0.00000019	-	0.0000045	0.00000000018	0.000000035	0.000000000058	0.00000000013	0.00000000061	0.0000018	0.0000000042	0.0000000016	0.000000012	0.0000035	0.000000021
Operations	April	0.000000024	0.00000016	-	0.0000036	0.00000000015	0.000000028	0.000000000047	0.00000000011	0.0000000005	0.0000014	0.0000000034	0.0000000013	0.0000000099	0.0000029	0.000000017
Operations	May	0.000000024	0.00000016	-	0.0000037	0.00000000015	0.000000028	0.000000000047	0.00000000011	0.0000000005	0.0000014	0.0000000034	0.0000000013	0.0000000099	0.0000029	0.000000017
Operations	June	0.000000028	0.00000018	-	0.0000042	0.00000000017	0.000000032	0.000000000054	0.00000000012	0.00000000057	0.0000016	0.0000000039	0.0000000015	0.000000011	0.0000033	0.00000002
Operations	July	0.000000029	0.00000019	-	0.0000044	0.00000000018	0.000000034	0.000000000056	0.00000000013	0.00000000059	0.0000017	0.000000004	0.0000000016	0.000000012	0.0000034	0.00000002
Operations	August	0.000000027	0.00000018	-	0.0000041	0.00000000017	0.000000032	0.000000000053	0.00000000012	0.00000000056	0.0000016	0.0000000038	0.0000000015	0.000000011	0.0000032	0.000000019
Operations	September	0.000000029	0.00000019	-	0.0000044	0.00000000018	0.000000034	0.000000000057	0.00000000013	0.0000000006	0.0000017	0.0000000041	0.0000000016	0.000000012	0.0000035	0.000000021
Operations	October	0.00000003	0.0000002	-	0.0000046	0.00000000019	0.000000036	0.00000000006	0.00000000014	0.00000000063	0.0000018	0.0000000043	0.0000000017	0.000000012	0.0000036	0.000000022
Operations	November	0.000000032	0.00000021	-	0.0000048	0.0000000002	0.000000037	0.000000000062	0.00000000014	0.00000000066	0.0000019	0.0000000045	0.0000000018	0.000000013	0.0000038	0.000000023
Operations	December	0.000000029	0.00000019	-	0.0000044	0.00000000018	0.000000034	0.000000000057	0.00000000013	0.0000000006	0.0000017	0.0000000041	0.0000000016	0.000000012	0.0000035	0.000000021

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (666 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-24: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-2)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.000002	0.0000002	0.000000000023	0.00000000055	0.000000026	0.0000034	0.0000000004	0.00000000035	0.00000000008	0.00000000077	0.00000000028	0.000000015	0.00000028	0.000000023
Construction	February	0.0000019	0.00000019	0.000000000022	0.00000000053	0.000000025	0.0000033	0.00000000038	0.00000000033	0.000000000077	0.00000000074	0.00000000027	0.000000014	0.00000027	0.000000022
Construction	March	0.0000018	0.00000019	0.000000000022	0.00000000051	0.000000024	0.0000032	0.00000000037	0.00000000032	0.000000000074	0.00000000072	0.00000000026	0.000000014	0.00000026	0.000000021
Construction	April	0.0000015	0.00000016	0.000000000019	0.00000000044	0.000000021	0.0000027	0.00000000031	0.00000000028	0.000000000064	0.00000000061	0.00000000022	0.000000012	0.00000022	0.000000018
Construction	May	0.0000015	0.00000016	0.000000000018	0.00000000042	0.00000002	0.0000026	0.0000000003	0.00000000026	0.000000000061	0.00000000059	0.00000000021	0.000000011	0.00000022	0.000000017
Construction	June	0.0000019	0.00000019	0.000000000022	0.00000000053	0.000000025	0.0000033	0.00000000038	0.00000000033	0.000000000076	0.00000000074	0.00000000026	0.000000014	0.00000027	0.000000022
Construction	July	0.0000019	0.00000019	0.000000000022	0.00000000053	0.000000025	0.0000033	0.00000000038	0.00000000033	0.000000000076	0.00000000073	0.00000000026	0.000000014	0.00000027	0.000000021
Construction	August	0.0000017	0.00000018	0.00000000002	0.00000000049	0.000000023	0.000003	0.00000000035	0.0000000003	0.00000000007	0.00000000068	0.00000000024	0.000000013	0.00000025	0.00000002
Construction	September	0.0000019	0.0000002	0.000000000023	0.00000000054	0.000000025	0.0000033	0.00000000039	0.00000000034	0.000000000078	0.00000000075	0.00000000027	0.000000015	0.00000028	0.000000022
Construction	October	0.0000019	0.0000002	0.000000000023	0.00000000054	0.000000025	0.0000034	0.00000000039	0.00000000034	0.000000000078	0.00000000075	0.00000000027	0.000000015	0.00000028	0.000000022
Construction	November	0.000002	0.00000021	0.000000000024	0.00000000056	0.000000026	0.0000035	0.0000000004	0.00000000035	0.000000000081	0.00000000079	0.00000000028	0.000000015	0.00000029	0.000000023
Construction	December	0.0000019	0.0000002	0.000000000023	0.00000000054	0.000000026	0.0000034	0.00000000039	0.00000000034	0.000000000079	0.00000000076	0.00000000027	0.000000015	0.00000028	0.000000022
Operations	January	0.00000072	0.000000076	0.0000000000087	0.00000000021	0.0000000097	0.0000013	0.00000000015	0.00000000013	0.00000000003	0.00000000029	0.0000000001	0.0000000056	0.00000011	0.0000000084
Operations	February	0.00000066	0.000000069	0.0000000000079	0.00000000019	0.0000000088	0.0000012	0.00000000013	0.00000000012	0.000000000027	0.00000000026	0.000000000094	0.0000000051	0.000000096	0.0000000077
Operations	March	0.00000069	0.000000073	0.0000000000083	0.0000000002	0.0000000093	0.0000012	0.00000000014	0.00000000012	0.000000000028	0.00000000027	0.000000000099	0.0000000053	0.0000001	0.000000008
Operations	April	0.00000057	0.000000059	0.0000000000068	0.00000000016	0.0000000075	0.000001	0.00000000001	0.00000000001	0.000000000023	0.00000000022	0.00000000008	0.0000000043	0.000000082	0.0000000066
Operations	May	0.00000057	0.000000059	0.0000000000068	0.00000000016	0.0000000076	0.000001	0.00000000012	0.0000000001	0.000000000023	0.00000000022	0.000000000081	0.0000000044	0.000000083	0.0000000066
Operations	June	0.00000065	0.000000068	0.0000000000078	0.00000000018	0.0000000087	0.0000011	0.00000000013	0.00000000012	0.000000000027	0.00000000026	0.000000000092	0.0000000005	0.000000094	0.0000000075
Operations	July	0.00000067	0.000000071	0.0000000000081	0.00000000019	0.000000009	0.0000012	0.00000000014	0.00000000012	0.000000000028	0.00000000027	0.000000000096	0.0000000052	0.000000098	0.0000000078
Operations	August	0.00000064	0.000000067	0.0000000000076	0.00000000018	0.0000000085	0.0000011	0.00000000013	0.00000000011	0.000000000026	0.00000000025	0.00000000009	0.0000000049	0.000000092	0.0000000074
Operations	September	0.00000068	0.000000072	0.0000000000082	0.00000000019	0.0000000091	0.0000012	0.00000000014	0.00000000012	0.000000000028	0.00000000027	0.000000000097	0.0000000053	0.000000099	0.0000000079
Operations	October	0.00000072	0.000000075	0.0000000000085	0.0000000002	0.0000000095	0.0000013	0.00000000015	0.00000000013	0.000000000029	0.00000000028	0.0000000001	0.0000000055	0.0000001	0.0000000083
Operations	November	0.00000075	0.000000078	0.0000000000089	0.00000000021	0.0000000099	0.0000013	0.00000000015	0.00000000013	0.000000000031	0.0000000003	0.00000000011	0.0000000057	0.00000011	0.0000000086
Operations	December	0.00000068	0.000000071	0.0000000000081	0.00000000019	0.000000009	0.0000012	0.00000000014	0.00000000012	0.000000000028	0.00000000027	0.000000000096	0.0000000052	0.000000098	0.0000000079

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (666 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-25: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-L6)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000084	0.00056	-	0.013	0.00000053	0.000099	0.00000017	0.00000038	0.0000017	0.005	0.000012	0.0000047	0.000035	0.01	0.00006
Construction	February	0.00008	0.00053	-	0.012	0.0000005	0.000094	0.00000016	0.00000036	0.0000017	0.0048	0.000011	0.0000045	0.000033	0.0096	0.000057
Construction	March	0.000078	0.00051	-	0.012	0.00000048	0.000091	0.00000015	0.00000035	0.0000016	0.0046	0.000011	0.0000043	0.000032	0.0093	0.000055
Construction	April	0.000066	0.00043	-	0.01	0.00000041	0.000077	0.00000013	0.0000003	0.0000014	0.0039	0.0000093	0.0000037	0.000027	0.0079	0.000047
Construction	May	0.000063	0.00042	-	0.0096	0.0000004	0.000074	0.00000012	0.00000029	0.0000013	0.0038	0.000009	0.0000035	0.000026	0.0076	0.000045
Construction	June	0.000079	0.00052	-	0.012	0.0000005	0.000093	0.00000016	0.00000036	0.0000016	0.0047	0.000011	0.0000044	0.000033	0.0095	0.000057
Construction	July	0.000079	0.00052	-	0.012	0.00000049	0.000093	0.00000016	0.00000036	0.0000016	0.0047	0.000011	0.0000044	0.000032	0.0095	0.000056
Construction	August	0.000073	0.00048	-	0.011	0.00000046	0.000086	0.00000014	0.00000033	0.0000015	0.0043	0.00001	0.0000041	0.00003	0.0088	0.000052
Construction	September	0.000081	0.00053	-	0.012	0.0000005	0.000095	0.00000016	0.00000037	0.0000017	0.0048	0.000011	0.0000045	0.000033	0.0097	0.000058
Construction	October	0.000082	0.00054	-	0.013	0.00000051	0.000097	0.00000016	0.00000037	0.0000017	0.0049	0.000012	0.0000046	0.000034	0.0099	0.000059
Construction	November	0.000086	0.00057	-	0.013	0.00000054	0.0001	0.00000017	0.00000039	0.0000018	0.0051	0.000012	0.0000048	0.000035	0.01	0.000061
Construction	December	0.000082	0.00054	-	0.012	0.00000051	0.000096	0.00000016	0.00000037	0.0000017	0.0049	0.000012	0.0000046	0.000034	0.0099	0.000059
Operations	January	0.000037	0.00025	-	0.0057	0.00000023	0.000044	0.000000073	0.00000017	0.00000077	0.0022	0.0000053	0.0000021	0.000015	0.0045	0.000027
Operations	February	0.000034	0.00023	-	0.0052	0.00000021	0.00004	0.000000068	0.00000016	0.00000071	0.002	0.0000049	0.0000019	0.000014	0.0041	0.000025
Operations	March	0.000035	0.00023	-	0.0054	0.00000022	0.000041	0.000000069	0.00000016	0.00000073	0.0021	0.000005	0.000002	0.000014	0.0042	0.000025
Operations	April	0.000029	0.00019	-	0.0044	0.00000018	0.000034	0.000000057	0.00000013	0.0000006	0.0017	0.0000041	0.0000016	0.000012	0.0035	0.000021
Operations	May	0.000029	0.00019	-	0.0044	0.00000018	0.000034	0.000000057	0.00000013	0.0000006	0.0017	0.0000041	0.0000016	0.000012	0.0035	0.000021
Operations	June	0.000034	0.00022	-	0.0051	0.00000021	0.00004	0.000000066	0.00000015	0.0000007	0.002	0.0000048	0.0000019	0.000014	0.0041	0.000024
Operations	July	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000068	0.00000016	0.00000072	0.0021	0.0000049	0.0000019	0.000014	0.0042	0.000025
Operations	August	0.000033	0.00022	-	0.005	0.0000002	0.000038	0.000000064	0.00000015	0.00000068	0.0019	0.0000046	0.0000018	0.000013	0.0039	0.000023
Operations	September	0.000035	0.00023	-	0.0054	0.00000022	0.000041	0.000000069	0.00000016	0.00000073	0.0021	0.000005	0.000002	0.000014	0.0042	0.000025
Operations	October	0.000037	0.00024	-	0.0056	0.00000023	0.000043	0.000000073	0.00000017	0.00000077	0.0022	0.0000052	0.0000021	0.000015	0.0044	0.000026
Operations	November	0.000039	0.00025	-	0.0059	0.00000024	0.000045	0.000000076	0.00000017	0.0000008	0.0023	0.0000054	0.0000022	0.000016	0.0046	0.000027
Operations	December	0.000035	0.00023	-	0.0053	0.00000022	0.000041	0.000000069	0.00000016	0.00000073	0.0021	0.0000049	0.000002	0.000014	0.0042	0.000025

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (104,679 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-25: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-L6)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.002	0.00021	0.000000024	0.00000056	0.000026	0.0035	0.0000004	0.00000035	0.000000081	0.00000079	0.00000028	0.000015	0.00029	0.000023
Construction	February	0.0019	0.0002	0.000000023	0.00000054	0.000025	0.0033	0.00000038	0.00000034	0.000000078	0.00000075	0.00000027	0.000015	0.00027	0.000022
Construction	March	0.0018	0.00019	0.000000022	0.00000052	0.000024	0.0032	0.00000037	0.00000032	0.000000075	0.00000072	0.00000026	0.000014	0.00027	0.000021
Construction	April	0.0015	0.00016	0.000000019	0.00000044	0.000021	0.0027	0.00000031	0.00000027	0.000000064	0.00000061	0.00000022	0.000012	0.00022	0.000018
Construction	May	0.0015	0.00016	0.000000018	0.00000042	0.00002	0.0026	0.0000003	0.00000027	0.000000061	0.00000059	0.00000021	0.000011	0.00022	0.000017
Construction	June	0.0019	0.0002	0.000000022	0.00000053	0.000025	0.0033	0.00000038	0.00000033	0.000000077	0.00000074	0.00000027	0.000014	0.00027	0.000022
Construction	July	0.0019	0.00019	0.000000022	0.00000053	0.000025	0.0033	0.00000038	0.00000033	0.000000076	0.00000074	0.00000026	0.000014	0.00027	0.000022
Construction	August	0.0017	0.00018	0.000000021	0.00000049	0.000023	0.003	0.00000035	0.00000031	0.000000071	0.00000068	0.00000024	0.000013	0.00025	0.00002
Construction	September	0.0019	0.0002	0.000000023	0.00000054	0.000025	0.0034	0.00000039	0.00000034	0.000000078	0.00000075	0.00000027	0.000015	0.00028	0.000022
Construction	October	0.0019	0.0002	0.000000023	0.00000055	0.000026	0.0034	0.00000039	0.00000034	0.00000008	0.00000077	0.00000028	0.000015	0.00028	0.000022
Construction	November	0.002	0.00021	0.000000024	0.00000057	0.000027	0.0036	0.00000041	0.00000036	0.000000083	0.0000008	0.00000029	0.000016	0.00029	0.000023
Construction	December	0.0019	0.0002	0.000000023	0.00000055	0.000026	0.0034	0.00000039	0.00000034	0.000000079	0.00000077	0.00000028	0.000015	0.00028	0.000022
Operations	January	0.00088	0.000092	0.000000011	0.00000025	0.000012	0.0015	0.00000018	0.00000016	0.000000036	0.00000035	0.00000012	0.0000068	0.00013	0.00001
Operations	February	0.00081	0.000085	0.0000000097	0.00000023	0.000011	0.0014	0.00000016	0.00000014	0.000000033	0.00000032	0.00000012	0.0000062	0.00012	0.0000094
Operations	March	0.00083	0.000087	0.0000000099	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000034	0.00000033	0.00000012	0.0000064	0.00012	0.0000096
Operations	April	0.00068	0.000071	0.0000000081	0.00000019	0.0000091	0.0012	0.00000014	0.00000012	0.000000028	0.00000027	0.000000097	0.0000052	0.000099	0.0000079
Operations	May	0.00068	0.000071	0.0000000081	0.00000019	0.000009	0.0012	0.00000014	0.00000012	0.000000028	0.00000027	0.000000096	0.0000052	0.000099	0.0000079
Operations	June	0.0008	0.000083	0.0000000095	0.00000023	0.000011	0.0014	0.00000016	0.00000014	0.000000033	0.00000032	0.00000011	0.0000061	0.00012	0.0000092
Operations	July	0.00082	0.000085	0.0000000098	0.00000023	0.000011	0.0014	0.00000017	0.00000015	0.000000034	0.00000032	0.00000012	0.0000063	0.00012	0.0000095
Operations	August	0.00077	0.00008	0.0000000092	0.00000022	0.00001	0.0014	0.00000016	0.00000014	0.000000032	0.0000003	0.00000011	0.0000059	0.00011	0.0000089
Operations	September	0.00083	0.000087	0.0000000099	0.00000024	0.000011	0.0015	0.00000017	0.00000015	0.000000034	0.00000033	0.00000012	0.0000064	0.00012	0.0000096
Operations	October	0.00087	0.000091	0.00000001	0.00000025	0.000012	0.0015	0.00000018	0.00000015	0.000000036	0.00000035	0.00000012	0.0000067	0.00013	0.00001
Operations	November	0.00091	0.000095	0.000000011	0.00000026	0.000012	0.0016	0.00000018	0.00000016	0.000000037	0.00000036	0.00000013	0.000007	0.00013	0.000011
Operations	December	0.00082	0.000086	0.0000000099	0.00000023	0.000011	0.0015	0.00000017	0.00000015	0.000000034	0.00000033	0.00000012	0.0000063	0.00012	0.0000096

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (104,679 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-26: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-3)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.000052	0.00035	-	0.008	0.00000033	0.000062	0.0000001	0.00000024	0.0000011	0.0031	0.0000074	0.0000029	0.000022	0.0063	0.000037
Construction	February	0.000049	0.00033	-	0.0075	0.00000031	0.000058	0.000000097	0.00000022	0.000001	0.0029	0.000007	0.0000028	0.00002	0.0059	0.000035
Construction	March	0.000048	0.00032	-	0.0073	0.0000003	0.000057	0.000000095	0.00000022	0.000001	0.0029	0.0000068	0.0000027	0.00002	0.0058	0.000034
Construction	April	0.00004	0.00027	-	0.0061	0.00000025	0.000047	0.000000079	0.00000018	0.00000083	0.0024	0.0000057	0.0000022	0.000016	0.0048	0.000029
Construction	May	0.000039	0.00026	-	0.006	0.00000024	0.000046	0.000000077	0.00000018	0.00000081	0.0023	0.0000055	0.0000022	0.000016	0.0047	0.000028
Construction	June	0.000048	0.00032	-	0.0074	0.0000003	0.000057	0.000000095	0.00000022	0.000001	0.0029	0.0000068	0.0000027	0.00002	0.0058	0.000035
Construction	July	0.000049	0.00032	-	0.0074	0.0000003	0.000057	0.000000096	0.00000022	0.000001	0.0029	0.0000069	0.0000027	0.00002	0.0059	0.000035
Construction	August	0.000045	0.0003	-	0.0069	0.00000028	0.000053	0.000000089	0.0000002	0.00000094	0.0027	0.0000064	0.0000025	0.000019	0.0054	0.000032
Construction	September	0.000049	0.00033	-	0.0075	0.00000031	0.000058	0.000000097	0.00000022	0.000001	0.0029	0.000007	0.0000028	0.00002	0.0059	0.000035
Construction	October	0.000051	0.00034	-	0.0078	0.00000032	0.00006	0.0000001	0.00000023	0.0000011	0.0031	0.0000072	0.0000029	0.000021	0.0062	0.000037
Construction	November	0.000054	0.00035	-	0.0082	0.00000034	0.000063	0.00000011	0.00000024	0.0000011	0.0032	0.0000076	0.000003	0.000022	0.0064	0.000038
Construction	December	0.00005	0.00033	-	0.0076	0.00000031	0.000059	0.000000099	0.00000023	0.000001	0.003	0.0000071	0.0000028	0.000021	0.006	0.000036
Operations	January	0.000028	0.00019	-	0.0043	0.00000018	0.000033	0.000000055	0.00000013	0.00000058	0.0017	0.000004	0.0000016	0.000012	0.0034	0.00002
Operations	February	0.000026	0.00017	-	0.0039	0.00000016	0.00003	0.000000051	0.00000012	0.00000054	0.0015	0.0000037	0.0000014	0.000011	0.0031	0.000019
Operations	March	0.000027	0.00018	-	0.004	0.00000017	0.000031	0.000000052	0.00000012	0.00000055	0.0016	0.0000038	0.0000015	0.000011	0.0032	0.000019
Operations	April	0.000022	0.00014	-	0.0033	0.00000014	0.000025	0.000000043	0.000000098	0.00000045	0.0013	0.0000031	0.0000012	0.0000089	0.0026	0.000015
Operations	May	0.000021	0.00014	-	0.0033	0.00000013	0.000025	0.000000042	0.000000097	0.00000045	0.0013	0.000003	0.0000012	0.0000088	0.0026	0.000015
Operations	June	0.000026	0.00017	-	0.0039	0.00000016	0.00003	0.00000005	0.00000012	0.00000053	0.0015	0.0000036	0.0000014	0.000011	0.0031	0.000018
Operations	July	0.000026	0.00017	-	0.004	0.00000016	0.000031	0.000000052	0.00000012	0.00000055	0.0016	0.0000037	0.0000015	0.000011	0.0032	0.000019
Operations	August	0.000025	0.00016	-	0.0038	0.00000015	0.000029	0.000000048	0.00000011	0.00000051	0.0015	0.0000035	0.0000014	0.00001	0.003	0.000018
Operations	September	0.000027	0.00018	-	0.004	0.00000017	0.000031	0.000000052	0.00000012	0.00000055	0.0016	0.0000037	0.0000015	0.000011	0.0032	0.000019
Operations	October	0.000028	0.00018	-	0.0042	0.00000017	0.000033	0.000000055	0.00000013	0.00000058	0.0017	0.0000039	0.0000016	0.000011	0.0034	0.00002
Operations	November	0.000029	0.00019	-	0.0044	0.00000018	0.000034	0.000000057	0.00000013	0.00000061	0.0017	0.0000041	0.0000016	0.000012	0.0035	0.000021
Operations	December	0.000026	0.00017	-	0.004	0.00000016	0.000031	0.000000052	0.00000012	0.00000054	0.0016	0.0000037	0.0000015	0.000011	0.0032	0.000019

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (1,163,657 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-26: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-3)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0012	0.00013	0.000000015	0.00000035	0.000017	0.0022	0.00000025	0.00000022	0.000000051	0.00000049	0.00000018	0.0000095	0.00018	0.000014
Construction	February	0.0012	0.00012	0.000000014	0.00000033	0.000016	0.0021	0.00000024	0.00000021	0.000000048	0.00000046	0.00000017	0.000009	0.00017	0.000014
Construction	March	0.0011	0.00012	0.000000014	0.00000032	0.000015	0.002	0.00000023	0.0000002	0.000000047	0.00000045	0.00000016	0.0000088	0.00017	0.000013
Construction	April	0.00095	0.000099	0.000000011	0.00000027	0.000013	0.0017	0.00000019	0.00000017	0.000000039	0.00000037	0.00000013	0.0000073	0.00014	0.000011
Construction	May	0.00092	0.000096	0.000000011	0.00000026	0.000012	0.0016	0.00000019	0.00000016	0.000000038	0.00000037	0.00000013	0.0000071	0.00013	0.000011
Construction	June	0.0011	0.00012	0.000000014	0.00000032	0.000015	0.002	0.00000023	0.0000002	0.000000047	0.00000045	0.00000016	0.0000088	0.00017	0.000013
Construction	July	0.0011	0.00012	0.000000014	0.00000033	0.000015	0.002	0.00000023	0.0000002	0.000000047	0.00000045	0.00000016	0.0000088	0.00017	0.000013
Construction	August	0.0011	0.00011	0.000000013	0.0000003	0.000014	0.0019	0.00000022	0.00000019	0.000000044	0.00000042	0.00000015	0.0000082	0.00015	0.000012
Construction	September	0.0012	0.00012	0.000000014	0.00000033	0.000016	0.0021	0.00000024	0.00000021	0.000000048	0.00000046	0.00000017	0.000009	0.00017	0.000014
Construction	October	0.0012	0.00013	0.000000014	0.00000034	0.000016	0.0021	0.00000025	0.00000021	0.00000005	0.00000048	0.00000017	0.0000093	0.00018	0.000014
Construction	November	0.0013	0.00013	0.000000015	0.00000036	0.000017	0.0022	0.00000026	0.00000022	0.000000052	0.0000005	0.00000018	0.0000097	0.00018	0.000015
Construction	December	0.0012	0.00012	0.000000014	0.00000034	0.000016	0.0021	0.00000024	0.00000021	0.000000049	0.00000047	0.00000017	0.0000091	0.00017	0.000014
Operations	January	0.00066	0.000069	0.0000000079	0.00000019	0.0000088	0.0012	0.00000013	0.00000012	0.000000027	0.00000026	0.000000094	0.0000051	0.000096	0.0000077
Operations	February	0.00061	0.000064	0.0000000073	0.00000017	0.0000082	0.0011	0.00000012	0.00000011	0.000000025	0.00000024	0.000000087	0.0000047	0.000089	0.0000071
Operations	March	0.00063	0.000066	0.0000000075	0.00000018	0.0000084	0.0011	0.00000013	0.00000011	0.000000026	0.00000025	0.000000089	0.0000048	0.000091	0.0000073
Operations	April	0.00051	0.000053	0.0000000061	0.00000014	0.0000068	0.0009	0.0000001	0.000000091	0.000000021	0.0000002	0.000000073	0.0000039	0.000074	0.0000059
Operations	May	0.00051	0.000053	0.0000000061	0.00000014	0.0000068	0.00089	0.0000001	0.00000009	0.000000021	0.0000002	0.000000072	0.0000039	0.000074	0.0000059
Operations	June	0.0006	0.000063	0.0000000072	0.00000017	0.0000081	0.0011	0.00000012	0.00000011	0.000000025	0.00000024	0.000000086	0.0000046	0.000088	0.000007
Operations	July	0.00062	0.000065	0.0000000074	0.00000018	0.0000083	0.0011	0.00000013	0.00000011	0.000000026	0.00000025	0.000000088	0.0000048	0.00009	0.0000072
Operations	August	0.00058	0.000061	0.0000000007	0.00000017	0.0000078	0.001	0.00000012	0.0000001	0.000000024	0.00000023	0.000000083	0.0000045	0.000084	0.0000067
Operations	September	0.00063	0.000065	0.0000000075	0.00000018	0.0000083	0.0011	0.00000013	0.00000011	0.000000026	0.00000025	0.000000089	0.0000048	0.000091	0.0000072
Operations	October	0.00066	0.000069	0.0000000079	0.00000019	0.0000088	0.0012	0.00000013	0.00000012	0.000000027	0.00000026	0.000000094	0.0000051	0.000096	0.0000076
Operations	November	0.00069	0.000072	0.0000000082	0.0000002	0.0000092	0.0012	0.00000014	0.00000012	0.000000028	0.00000027	0.000000098	0.0000053	0.0001	0.000008
Operations	December	0.00062	0.000065	0.0000000074	0.00000018	0.0000083	0.0011	0.00000013	0.00000011	0.000000025	0.00000024	0.000000088	0.0000048	0.00009	0.0000072

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (1,163,657 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-27: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-4)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.0000016	0.000011	-	0.00025	0.00000001	0.0000019	0.0000000032	0.0000000074	0.000000034	0.000098	0.00000023	0.000000092	0.00000067	0.0002	0.0000012
Construction	February	0.0000014	0.0000094	-	0.00022	0.0000000089	0.0000017	0.0000000028	0.0000000064	0.000000029	0.000084	0.0000002	0.000000079	0.00000058	0.00017	0.000001
Construction	March	0.0000014	0.0000096	-	0.00022	0.0000000091	0.0000017	0.0000000029	0.0000000066	0.00000003	0.000086	0.0000002	0.000000081	0.0000006	0.00017	0.000001
Construction	April	0.0000016	0.000011	-	0.00025	0.00000001	0.0000019	0.0000000032	0.0000000073	0.000000034	0.000097	0.00000023	0.000000091	0.00000067	0.0002	0.0000012
Construction	May	0.0000017	0.000011	-	0.00026	0.000000011	0.000002	0.0000000034	0.0000000078	0.000000036	0.0001	0.00000024	0.000000096	0.00000071	0.00021	0.0000012
Construction	June	0.0000016	0.000011	-	0.00024	0.00000001	0.0000019	0.0000000032	0.0000000072	0.000000033	0.000096	0.00000023	0.000000089	0.00000066	0.00019	0.0000011
Construction	July	0.0000013	0.0000089	-	0.0002	0.0000000084	0.0000016	0.0000000026	0.0000000061	0.000000028	0.00008	0.00000019	0.000000075	0.00000055	0.00016	0.00000096
Construction	August	0.0000012	0.0000081	-	0.00019	0.0000000076	0.0000014	0.0000000024	0.0000000055	0.000000025	0.000073	0.00000017	0.000000068	0.0000005	0.00015	0.00000087
Construction	September	0.0000014	0.0000095	-	0.00022	0.0000000089	0.0000017	0.0000000028	0.0000000065	0.00000003	0.000085	0.0000002	0.00000008	0.00000059	0.00017	0.000001
Construction	October	0.0000018	0.000012	-	0.00027	0.000000011	0.0000021	0.0000000035	0.0000000082	0.000000037	0.00011	0.00000025	0.0000001	0.00000074	0.00022	0.0000013
Construction	November	0.0000017	0.000011	-	0.00026	0.000000011	0.000002	0.0000000034	0.0000000078	0.000000036	0.0001	0.00000024	0.000000096	0.00000071	0.00021	0.0000012
Construction	December	0.0000014	0.000009	-	0.00021	0.0000000085	0.0000016	0.0000000027	0.0000000062	0.000000028	0.000081	0.00000019	0.000000076	0.00000056	0.00016	0.00000097
Operations	January	0.0000015	0.0000099	-	0.00023	0.0000000094	0.0000018	0.000000003	0.0000000068	0.000000031	0.00009	0.00000021	0.000000084	0.00000062	0.00018	0.0000011
Operations	February	0.0000013	0.0000085	-	0.0002	0.000000008	0.0000015	0.0000000025	0.0000000058	0.000000027	0.000077	0.00000018	0.000000072	0.00000053	0.00015	0.00000092
Operations	March	0.0000013	0.0000088	-	0.0002	0.0000000083	0.0000016	0.0000000026	0.000000006	0.000000028	0.000079	0.00000019	0.000000074	0.00000055	0.00016	0.00000095
Operations	April	0.0000015	0.0000099	-	0.00023	0.0000000093	0.0000018	0.0000000029	0.0000000067	0.000000031	0.000089	0.00000021	0.000000083	0.00000061	0.00018	0.0000011
Operations	May	0.0000016	0.00001	-	0.00024	0.0000000098	0.0000018	0.0000000031	0.0000000071	0.000000032	0.000093	0.00000022	0.000000087	0.00000064	0.00019	0.0000011
Operations	June	0.0000014	0.0000096	-	0.00022	0.000000009	0.0000017	0.0000000028	0.0000000065	0.00000003	0.000086	0.0000002	0.000000081	0.00000059	0.00017	0.000001
Operations	July	0.0000012	0.000008	-	0.00018	0.0000000076	0.0000014	0.0000000024	0.0000000055	0.000000025	0.000072	0.00000017	0.000000068	0.0000005	0.00015	0.00000086
Operations	August	0.0000011	0.0000073	-	0.00017	0.0000000069	0.0000013	0.0000000022	0.000000005	0.000000023	0.000066	0.00000016	0.000000062	0.00000045	0.00013	0.00000079
Operations	September	0.0000013	0.0000086	-	0.0002	0.0000000081	0.0000015	0.0000000026	0.0000000059	0.000000027	0.000078	0.00000018	0.000000073	0.00000054	0.00016	0.00000093
Operations	October	0.0000016	0.000011	-	0.00025	0.00000001	0.0000019	0.0000000032	0.0000000073	0.000000034	0.000097	0.00000023	0.000000091	0.00000067	0.0002	0.0000012
Operations	November	0.0000016	0.00001	-	0.00024	0.0000000098	0.0000019	0.0000000031	0.0000000071	0.000000033	0.000094	0.00000022	0.000000088	0.00000065	0.00019	0.0000011
Operations	December	0.0000013	0.0000083	-	0.00019	0.0000000078	0.0000015	0.0000000025	0.0000000057	0.000000026	0.000075	0.00000018	0.00000007	0.00000051	0.00015	0.00000089

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (104,700 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-27: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-4)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.000039	0.000004	0.00000000046	0.000000011	0.00000052	0.000068	0.0000000079	0.0000000069	0.0000000016	0.000000015	0.0000000055	0.0000003	0.0000056	0.00000045
Construction	February	0.000033	0.0000035	0.0000000004	0.0000000095	0.00000045	0.000059	0.0000000068	0.0000000059	0.0000000014	0.000000013	0.0000000047	0.00000026	0.0000049	0.00000039
Construction	March	0.000034	0.0000036	0.00000000041	0.0000000097	0.00000046	0.00006	0.0000000069	0.0000000061	0.0000000014	0.000000014	0.0000000049	0.00000026	0.000005	0.0000004
Construction	April	0.000038	0.000004	0.00000000046	0.000000011	0.00000051	0.000067	0.0000000078	0.0000000068	0.0000000016	0.000000015	0.0000000054	0.00000029	0.0000056	0.00000044
Construction	May	0.000041	0.0000042	0.00000000049	0.000000012	0.00000054	0.000071	0.0000000082	0.0000000072	0.0000000017	0.000000016	0.0000000058	0.00000031	0.0000059	0.00000047
Construction	June	0.000038	0.0000039	0.00000000045	0.000000011	0.0000005	0.000067	0.0000000077	0.0000000067	0.0000000016	0.000000015	0.0000000054	0.00000029	0.0000055	0.00000044
Construction	July	0.000032	0.0000033	0.00000000038	0.000000009	0.00000042	0.000056	0.0000000064	0.0000000056	0.0000000013	0.000000013	0.0000000045	0.00000024	0.0000046	0.00000037
Construction	August	0.000029	0.000003	0.00000000034	0.0000000082	0.00000038	0.000051	0.0000000058	0.0000000051	0.0000000012	0.000000011	0.0000000041	0.00000022	0.0000042	0.00000033
Construction	September	0.000034	0.0000035	0.0000000004	0.0000000096	0.00000045	0.000059	0.0000000069	0.000000006	0.0000000014	0.000000013	0.0000000048	0.00000026	0.0000049	0.00000039
Construction	October	0.000043	0.0000044	0.00000000051	0.000000012	0.00000057	0.000075	0.0000000086	0.0000000076	0.0000000017	0.000000017	0.000000006	0.00000033	0.0000062	0.00000049
Construction	November	0.000041	0.0000042	0.00000000049	0.000000012	0.00000054	0.000071	0.0000000083	0.0000000072	0.0000000017	0.000000016	0.0000000058	0.00000031	0.0000059	0.00000047
Construction	December	0.000032	0.0000034	0.00000000038	0.0000000091	0.00000043	0.000057	0.0000000065	0.0000000057	0.0000000013	0.000000013	0.0000000046	0.00000025	0.0000047	0.00000037
Operations	January	0.000035	0.0000037	0.00000000042	0.00000001	0.00000047	0.000062	0.0000000072	0.0000000063	0.0000000015	0.000000014	0.000000005	0.00000027	0.0000051	0.00000041
Operations	February	0.00003	0.0000032	0.00000000036	0.0000000086	0.0000004	0.000053	0.0000000062	0.0000000054	0.0000000012	0.000000012	0.0000000043	0.00000023	0.0000044	0.00000035
Operations	March	0.000031	0.0000033	0.00000000037	0.0000000089	0.00000042	0.000055	0.0000000064	0.0000000056	0.0000000013	0.000000012	0.0000000044	0.00000024	0.0000045	0.00000036
Operations	April	0.000035	0.0000037	0.00000000042	0.00000001	0.00000047	0.000062	0.0000000071	0.0000000062	0.0000000014	0.000000014	0.0000000005	0.00000027	0.0000051	0.00000041
Operations	May	0.000037	0.0000038	0.00000000044	0.00000001	0.00000049	0.000065	0.0000000075	0.0000000065	0.0000000015	0.000000015	0.0000000052	0.00000028	0.0000053	0.00000043
Operations	June	0.000034	0.0000036	0.00000000041	0.0000000097	0.00000046	0.00006	0.0000000069	0.0000000061	0.0000000014	0.000000014	0.0000000049	0.00000026	0.000005	0.0000004
Operations	July	0.000029	0.000003	0.00000000034	0.0000000081	0.00000038	0.00005	0.0000000058	0.0000000051	0.0000000012	0.000000011	0.0000000041	0.00000022	0.0000041	0.00000033
Operations	August	0.000026	0.0000027	0.00000000031	0.0000000074	0.00000035	0.000046	0.0000000053	0.0000000046	0.0000000011	0.00000001	0.0000000037	0.0000002	0.0000038	0.0000003
Operations	September	0.000031	0.0000032	0.00000000037	0.0000000087	0.00000041	0.000054	0.0000000062	0.0000000055	0.0000000013	0.000000012	0.0000000044	0.00000024	0.0000045	0.00000036
Operations	October	0.000038	0.000004	0.00000000046	0.000000011	0.00000051	0.000067	0.0000000078	0.0000000068	0.0000000016	0.000000015	0.0000000054	0.00000029	0.0000056	0.00000044
Operations	November	0.000037	0.0000039	0.00000000044	0.000000011	0.0000005	0.000065	0.0000000076	0.0000000066	0.0000000015	0.000000015	0.0000000053	0.00000029	0.0000054	0.00000043
Operations	December	0.000029	0.0000031	0.00000000035	0.0000000084	0.00000039	0.000052	0.000000006	0.0000000052	0.0000000012	0.000000012	0.0000000042	0.00000023	0.0000043	0.00000034

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (104,700 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-28: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-5)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.00000017	0.0000012	-	0.000027	0.0000000011	0.0000002	0.00000000034	0.00000000079	0.0000000036	0.00001	0.000000025	0.0000000097	0.000000072	0.000021	0.00000012
Construction	February	0.00000016	0.0000011	-	0.000024	0.0000000001	0.00000019	0.00000000031	0.00000000072	0.0000000033	0.0000095	0.000000022	0.0000000089	0.000000065	0.000019	0.00000011
Construction	March	0.00000017	0.0000011	-	0.000026	0.0000000011	0.0000002	0.00000000034	0.00000000077	0.0000000035	0.00001	0.000000024	0.0000000095	0.00000007	0.00002	0.00000012
Construction	April	0.0000002	0.0000013	-	0.000031	0.0000000013	0.00000024	0.0000000004	0.00000000092	0.0000000042	0.000012	0.000000029	0.0000000011	0.000000084	0.000024	0.00000015
Construction	May	0.00000017	0.0000011	-	0.000026	0.0000000011	0.0000002	0.00000000034	0.00000000078	0.0000000036	0.00001	0.000000024	0.0000000096	0.000000071	0.000021	0.00000012
Construction	June	0.00000014	0.00000091	-	0.000021	0.00000000086	0.00000016	0.00000000027	0.00000000062	0.0000000029	0.0000082	0.000000019	0.0000000077	0.000000057	0.000017	0.000000098
Construction	July	0.00000013	0.00000088	-	0.00002	0.00000000083	0.00000016	0.00000000026	0.0000000006	0.0000000028	0.0000079	0.000000019	0.0000000074	0.000000055	0.000016	0.000000095
Construction	August	0.00000013	0.00000086	-	0.00002	0.00000000082	0.00000015	0.00000000026	0.00000000059	0.0000000027	0.0000078	0.000000018	0.0000000073	0.000000054	0.000016	0.000000093
Construction	September	0.00000014	0.00000094	-	0.000022	0.00000000089	0.00000017	0.00000000028	0.00000000065	0.000000003	0.0000085	0.00000002	0.0000000008	0.000000059	0.000017	0.0000001
Construction	October	0.00000015	0.00000098	-	0.000022	0.00000000092	0.00000017	0.00000000029	0.00000000067	0.0000000031	0.0000088	0.000000021	0.0000000082	0.000000061	0.000018	0.00000011
Construction	November	0.00000016	0.0000011	-	0.000025	0.0000000001	0.00000019	0.00000000032	0.00000000074	0.0000000034	0.0000098	0.000000023	0.0000000092	0.000000067	0.00002	0.00000012
Construction	December	0.00000016	0.0000011	-	0.000024	0.00000000099	0.00000019	0.00000000031	0.00000000072	0.0000000033	0.0000095	0.000000022	0.0000000089	0.000000065	0.000019	0.00000011
Operations	January	0.00000016	0.0000011	-	0.000025	0.0000000001	0.00000019	0.00000000032	0.00000000075	0.0000000034	0.0000098	0.000000023	0.0000000092	0.000000068	0.00002	0.00000012
Operations	February	0.00000015	0.000001	-	0.000023	0.00000000095	0.00000018	0.0000000003	0.00000000069	0.0000000032	0.0000091	0.000000022	0.0000000085	0.000000063	0.000018	0.00000011
Operations	March	0.00000016	0.0000011	-	0.000025	0.0000000001	0.00000019	0.00000000032	0.00000000074	0.0000000034	0.0000098	0.000000023	0.0000000091	0.000000067	0.00002	0.00000012
Operations	April	0.00000019	0.0000013	-	0.000029	0.0000000012	0.00000022	0.00000000038	0.00000000086	0.0000000004	0.000011	0.000000027	0.0000000011	0.000000079	0.000023	0.00000014
Operations	May	0.00000016	0.0000011	-	0.000025	0.0000000001	0.00000019	0.00000000032	0.00000000073	0.0000000034	0.0000096	0.000000023	0.0000000009	0.000000067	0.000019	0.00000012
Operations	June	0.00000013	0.00000088	-	0.00002	0.00000000083	0.00000016	0.00000000026	0.0000000006	0.0000000028	0.0000079	0.000000019	0.0000000074	0.000000055	0.000016	0.000000095
Operations	July	0.00000013	0.00000083	-	0.000019	0.00000000078	0.00000015	0.00000000025	0.00000000057	0.0000000026	0.0000075	0.000000018	0.0000000007	0.000000052	0.000015	0.00000009
Operations	August	0.00000013	0.00000084	-	0.000019	0.00000000079	0.00000015	0.00000000025	0.00000000057	0.0000000026	0.0000075	0.000000018	0.0000000071	0.000000052	0.000015	0.00000009
Operations	September	0.00000014	0.00000091	-	0.000021	0.00000000086	0.00000016	0.00000000027	0.00000000062	0.0000000028	0.0000082	0.000000019	0.0000000076	0.000000056	0.000016	0.000000098
Operations	October	0.00000014	0.00000095	-	0.000022	0.0000000009	0.00000017	0.00000000028	0.00000000065	0.000000003	0.0000085	0.00000002	0.0000000008	0.000000059	0.000017	0.0000001
Operations	November	0.00000016	0.000001	-	0.000024	0.00000000098	0.00000018	0.00000000031	0.00000000071	0.0000000033	0.0000093	0.000000022	0.0000000087	0.000000064	0.000019	0.00000011
Operations	December	0.00000015	0.000001	-	0.000023	0.00000000096	0.00000018	0.0000000003	0.00000000069	0.0000000032	0.0000091	0.000000022	0.0000000085	0.000000063	0.000018	0.00000011

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (6,245 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-28: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-5)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0000041	0.00000043	0.000000000049	0.0000000012	0.000000055	0.0000072	0.00000000084	0.00000000073	0.00000000017	0.0000000016	0.00000000058	0.000000032	0.0000006	0.000000048
Construction	February	0.0000038	0.00000039	0.000000000045	0.0000000011	0.00000005	0.0000066	0.00000000076	0.00000000067	0.00000000015	0.0000000015	0.00000000053	0.000000029	0.00000055	0.000000044
Construction	March	0.000004	0.00000042	0.000000000048	0.0000000011	0.000000054	0.0000071	0.00000000082	0.00000000071	0.00000000017	0.0000000016	0.00000000057	0.000000031	0.00000058	0.000000047
Construction	April	0.0000048	0.0000005	0.000000000057	0.0000000014	0.000000064	0.0000085	0.00000000098	0.00000000085	0.0000000002	0.0000000019	0.00000000068	0.000000037	0.0000007	0.000000056
Construction	May	0.0000041	0.00000043	0.000000000049	0.0000000012	0.000000054	0.0000072	0.00000000083	0.00000000072	0.00000000017	0.0000000016	0.00000000058	0.000000031	0.00000059	0.000000047
Construction	June	0.0000033	0.00000034	0.000000000039	0.00000000092	0.000000043	0.0000057	0.00000000066	0.00000000058	0.00000000013	0.0000000013	0.00000000046	0.000000025	0.00000047	0.000000038
Construction	July	0.0000031	0.00000033	0.000000000037	0.00000000089	0.000000042	0.0000055	0.00000000064	0.00000000056	0.00000000013	0.0000000012	0.00000000045	0.000000024	0.00000045	0.000000036
Construction	August	0.0000031	0.00000032	0.000000000037	0.00000000087	0.000000041	0.0000054	0.00000000063	0.00000000055	0.00000000013	0.0000000012	0.00000000044	0.000000024	0.00000045	0.000000036
Construction	September	0.0000034	0.00000035	0.00000000004	0.00000000096	0.000000045	0.0000059	0.00000000068	0.0000000006	0.00000000014	0.0000000013	0.00000000048	0.000000026	0.00000049	0.000000039
Construction	October	0.0000035	0.00000036	0.000000000042	0.00000000099	0.000000046	0.0000061	0.00000000071	0.00000000062	0.00000000014	0.0000000014	0.0000000005	0.000000027	0.00000051	0.00000004
Construction	November	0.0000039	0.0000004	0.000000000046	0.0000000011	0.000000052	0.0000068	0.00000000079	0.00000000069	0.00000000016	0.0000000015	0.00000000055	0.00000003	0.00000056	0.000000045
Construction	December	0.0000038	0.00000039	0.000000000045	0.0000000011	0.00000005	0.0000066	0.00000000076	0.00000000067	0.00000000015	0.0000000015	0.00000000053	0.000000029	0.00000054	0.000000043
Operations	January	0.0000039	0.00000041	0.000000000047	0.0000000011	0.000000052	0.0000068	0.00000000079	0.00000000069	0.00000000016	0.0000000015	0.00000000055	0.00000003	0.00000057	0.000000045
Operations	February	0.0000036	0.00000038	0.000000000043	0.000000001	0.000000048	0.0000063	0.00000000073	0.00000000064	0.00000000015	0.0000000014	0.00000000051	0.000000028	0.00000052	0.000000042
Operations	March	0.0000039	0.0000004	0.000000000046	0.0000000011	0.000000052	0.0000068	0.00000000079	0.00000000069	0.00000000016	0.0000000015	0.00000000055	0.00000003	0.00000056	0.000000045
Operations	April	0.0000045	0.00000047	0.000000000054	0.0000000013	0.00000006	0.0000079	0.00000000092	0.00000000008	0.00000000019	0.0000000018	0.00000000064	0.000000035	0.00000065	0.000000052
Operations	May	0.0000038	0.0000004	0.000000000046	0.0000000011	0.000000051	0.0000067	0.00000000078	0.00000000068	0.00000000016	0.0000000015	0.00000000054	0.000000029	0.00000055	0.000000044
Operations	June	0.0000031	0.00000033	0.000000000037	0.00000000089	0.000000042	0.0000055	0.00000000064	0.00000000056	0.00000000013	0.0000000012	0.00000000044	0.000000024	0.00000045	0.000000036
Operations	July	0.000003	0.00000031	0.000000000035	0.00000000084	0.000000039	0.0000052	0.0000000006	0.00000000053	0.00000000012	0.0000000012	0.00000000042	0.000000023	0.00000043	0.000000034
Operations	August	0.000003	0.00000031	0.000000000036	0.00000000085	0.00000004	0.0000053	0.00000000061	0.00000000053	0.00000000012	0.0000000012	0.00000000042	0.000000023	0.00000043	0.000000035
Operations	September	0.0000032	0.00000034	0.000000000039	0.00000000092	0.000000043	0.0000057	0.00000000066	0.00000000057	0.00000000013	0.0000000013	0.00000000046	0.000000025	0.00000047	0.000000037
Operations	October	0.0000034	0.00000035	0.00000000004	0.00000000096	0.000000045	0.000006	0.00000000069	0.0000000006	0.00000000014	0.0000000013	0.00000000048	0.000000026	0.00000049	0.000000039
Operations	November	0.0000037	0.00000039	0.000000000044	0.000000001	0.000000049	0.0000065	0.00000000075	0.00000000066	0.00000000015	0.0000000015	0.00000000053	0.000000028	0.00000054	0.000000043
Operations	December	0.0000036	0.00000038	0.000000000043	0.000000001	0.000000048	0.0000064	0.00000000073	0.00000000064	0.00000000015	0.0000000014	0.00000000051	0.000000028	0.00000052	0.000000042

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (6,245 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-29: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-6)

Phase	Month	Phosphorus, Total (g/s)	Sulphate (g/s)	Cyanide, WAD (g/s)	Aluminum (g/s)	Antimony (g/s)	Arsenic (g/s)	Beryllium (g/s)	Boron (g/s)	Cadmium (g/s)	Calcium (g/s)	Chromium (g/s)	Cobalt (g/s)	Copper (g/s)	Iron (g/s)	Lead (g/s)
Construction	January	0.00000032	0.0000021	-	0.000048	0.000000002	0.00000037	0.00000000063	0.0000000014	0.0000000066	0.000019	0.000000045	0.000000018	0.00000013	0.000038	0.00000023
Construction	February	0.00000033	0.0000022	-	0.00005	0.0000000021	0.00000039	0.00000000065	0.0000000015	0.0000000068	0.00002	0.000000046	0.000000018	0.00000014	0.00004	0.00000023
Construction	March	0.00000032	0.0000021	-	0.000049	0.000000002	0.00000037	0.00000000063	0.0000000014	0.0000000066	0.000019	0.000000045	0.000000018	0.00000013	0.000038	0.00000023
Construction	April	0.00000027	0.0000018	-	0.000041	0.0000000017	0.00000032	0.00000000054	0.0000000012	0.0000000057	0.000016	0.000000038	0.000000015	0.00000011	0.000033	0.00000019
Construction	May	0.0000003	0.000002	-	0.000046	0.0000000019	0.00000036	0.0000000006	0.0000000014	0.0000000063	0.000018	0.000000043	0.000000017	0.00000013	0.000037	0.00000022
Construction	June	0.00000034	0.0000023	-	0.000052	0.0000000022	0.00000041	0.00000000068	0.0000000016	0.0000000072	0.000021	0.000000049	0.000000019	0.00000014	0.000041	0.00000025
Construction	July	0.00000028	0.0000018	-	0.000042	0.0000000017	0.00000033	0.00000000055	0.0000000013	0.0000000058	0.000017	0.000000039	0.000000016	0.00000011	0.000034	0.0000002
Construction	August	0.0000003	0.000002	-	0.000046	0.0000000019	0.00000036	0.0000000006	0.0000000014	0.0000000063	0.000018	0.000000043	0.000000017	0.00000012	0.000036	0.00000022
Construction	September	0.00000031	0.000002	-	0.000047	0.0000000019	0.00000036	0.0000000006	0.0000000014	0.0000000064	0.000018	0.000000043	0.000000017	0.00000013	0.000037	0.00000022
Construction	October	0.00000038	0.0000025	-	0.000057	0.0000000024	0.00000044	0.00000000074	0.0000000017	0.0000000078	0.000022	0.000000053	0.000000021	0.00000015	0.000045	0.00000027
Construction	November	0.00000035	0.0000023	-	0.000053	0.0000000022	0.00000041	0.00000000068	0.0000000016	0.0000000072	0.000021	0.000000049	0.000000019	0.00000014	0.000042	0.00000025
Construction	December	0.00000033	0.0000022	-	0.00005	0.0000000021	0.00000039	0.00000000065	0.0000000015	0.0000000069	0.00002	0.000000047	0.000000018	0.00000014	0.00004	0.00000024
Operations	January	0.0000003	0.000002	-	0.000045	0.0000000019	0.00000035	0.00000000059	0.0000000013	0.0000000062	0.000018	0.000000042	0.000000017	0.00000012	0.000036	0.00000021
Operations	February	0.00000031	0.0000021	-	0.000047	0.0000000019	0.00000037	0.00000000061	0.0000000014	0.0000000065	0.000019	0.000000044	0.000000017	0.00000013	0.000037	0.00000022
Operations	March	0.0000003	0.000002	-	0.000046	0.0000000019	0.00000035	0.00000000059	0.0000000014	0.0000000062	0.000018	0.000000042	0.000000017	0.00000012	0.000036	0.00000021
Operations	April	0.00000025	0.0000017	-	0.000039	0.0000000016	0.0000003	0.00000000005	0.0000000012	0.0000000053	0.000015	0.000000036	0.000000014	0.0000001	0.000031	0.00000018
Operations	May	0.00000029	0.0000019	-	0.000044	0.0000000018	0.00000034	0.00000000056	0.0000000013	0.0000000059	0.000017	0.00000004	0.000000016	0.00000012	0.000034	0.0000002
Operations	June	0.00000032	0.0000021	-	0.000049	0.000000002	0.00000038	0.00000000063	0.0000000015	0.0000000067	0.000019	0.000000045	0.000000018	0.00000013	0.000039	0.00000023
Operations	July	0.00000026	0.0000017	-	0.00004	0.0000000016	0.00000031	0.00000000051	0.0000000012	0.0000000054	0.000016	0.000000037	0.000000015	0.00000011	0.000031	0.00000019
Operations	August	0.00000029	0.0000019	-	0.000044	0.0000000018	0.00000034	0.00000000056	0.0000000013	0.000000006	0.000017	0.00000004	0.000000016	0.00000012	0.000034	0.0000002
Operations	September	0.00000029	0.0000019	-	0.000044	0.0000000018	0.00000034	0.00000000056	0.0000000013	0.000000006	0.000017	0.00000004	0.000000016	0.00000012	0.000034	0.0000002
Operations	October	0.00000035	0.0000023	-	0.000054	0.0000000022	0.00000041	0.00000000069	0.0000000016	0.0000000073	0.000021	0.00000005	0.00000002	0.00000015	0.000042	0.00000025
Operations	November	0.00000032	0.0000021	-	0.000049	0.000000002	0.00000038	0.00000000064	0.0000000015	0.0000000067	0.000019	0.000000046	0.000000018	0.00000013	0.000039	0.00000023
Operations	December	0.00000031	0.0000021	-	0.000047	0.0000000019	0.00000036	0.00000000061	0.0000000014	0.0000000064	0.000018	0.000000044	0.000000017	0.00000013	0.000037	0.00000022

Notes:
- value not available
Values represent loading to modelling node from dustfall on upstream water surface area (19,535 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Table B-29: Geochemical Source Terms, Dustfall Loadings, Unnamed Waterbodies and Watercourses (UN-6)

Phase	Month	Magnesium (g/s)	Manganese (g/s)	Mercury (g/s)	Molybdenum (g/s)	Nickel (g/s)	Potassium (g/s)	Selenium (g/s)	Silver (g/s)	Thallium (g/s)	Tungsten (g/s)	Uranium (g/s)	Vanadium (g/s)	Zinc (g/s)	Zirconium (g/s)
Construction	January	0.0000075	0.00000079	0.000000000009	0.0000000021	0.0000001	0.000013	0.0000000015	0.0000000013	0.00000000031	0.000000003	0.0000000011	0.000000058	0.0000011	0.000000087
Construction	February	0.0000078	0.00000081	0.000000000093	0.0000000022	0.0000001	0.000014	0.0000000016	0.0000000014	0.00000000032	0.0000000031	0.0000000011	0.00000006	0.0000011	0.00000009
Construction	March	0.0000075	0.00000079	0.000000000009	0.0000000021	0.0000001	0.000013	0.0000000015	0.0000000013	0.00000000031	0.000000003	0.0000000011	0.000000058	0.0000011	0.000000087
Construction	April	0.0000064	0.00000067	0.000000000077	0.0000000018	0.000000086	0.000011	0.0000000013	0.0000000011	0.00000000026	0.0000000025	0.00000000091	0.000000049	0.00000093	0.000000074
Construction	May	0.0000072	0.00000075	0.000000000086	0.000000002	0.000000096	0.000013	0.0000000015	0.0000000013	0.0000000003	0.0000000028	0.000000001	0.000000055	0.000001	0.000000083
Construction	June	0.0000081	0.00000085	0.000000000097	0.0000000023	0.00000011	0.000014	0.0000000017	0.0000000014	0.00000000033	0.0000000032	0.0000000012	0.000000063	0.0000012	0.000000094
Construction	July	0.0000066	0.00000069	0.000000000079	0.0000000019	0.000000088	0.000012	0.0000000013	0.0000000012	0.00000000027	0.0000000026	0.00000000094	0.000000051	0.00000096	0.000000076
Construction	August	0.0000071	0.00000075	0.000000000085	0.000000002	0.000000095	0.000013	0.0000000015	0.0000000013	0.00000000029	0.0000000028	0.000000001	0.000000055	0.000001	0.000000083
Construction	September	0.0000072	0.00000076	0.000000000087	0.0000000021	0.000000097	0.000013	0.0000000015	0.0000000013	0.0000000003	0.0000000029	0.000000001	0.000000056	0.0000011	0.000000084
Construction	October	0.0000089	0.00000093	0.00000000011	0.0000000025	0.00000012	0.000016	0.0000000018	0.0000000016	0.00000000036	0.0000000035	0.0000000013	0.000000068	0.0000013	0.0000001
Construction	November	0.0000082	0.00000085	0.000000000098	0.0000000023	0.00000011	0.000014	0.0000000017	0.0000000015	0.00000000034	0.0000000032	0.0000000012	0.000000063	0.0000012	0.000000095
Construction	December	0.0000078	0.00000081	0.000000000093	0.0000000022	0.0000001	0.000014	0.0000000016	0.0000000014	0.00000000032	0.0000000031	0.0000000011	0.00000006	0.0000011	0.00000009
Operations	January	0.000007	0.00000073	0.000000000084	0.000000002	0.000000094	0.000012	0.0000000014	0.0000000012	0.00000000029	0.0000000028	0.000000001	0.000000054	0.000001	0.000000081
Operations	February	0.0000073	0.00000077	0.000000000088	0.0000000021	0.000000098	0.000013	0.0000000015	0.0000000013	0.0000000003	0.0000000029	0.000000001	0.000000056	0.0000011	0.000000085
Operations	March	0.0000071	0.00000074	0.000000000085	0.000000002	0.000000094	0.000012	0.0000000014	0.0000000013	0.00000000029	0.0000000028	0.000000001	0.000000054	0.000001	0.000000082
Operations	April	0.000006	0.00000063	0.000000000072	0.0000000017	0.00000008	0.000011	0.0000000012	0.0000000011	0.00000000025	0.0000000024	0.00000000085	0.000000046	0.00000087	0.00000007
Operations	May	0.0000068	0.00000071	0.000000000081	0.0000000019	0.00000009	0.000012	0.0000000014	0.0000000012	0.00000000028	0.0000000027	0.00000000096	0.000000052	0.00000098	0.000000078
Operations	June	0.0000076	0.00000079	0.000000000091	0.0000000022	0.0000001	0.000013	0.0000000015	0.0000000013	0.00000000031	0.000000003	0.0000000011	0.000000058	0.0000011	0.000000088
Operations	July	0.0000062	0.00000064	0.000000000074	0.0000000017	0.000000082	0.000011	0.0000000013	0.0000000011	0.00000000025	0.0000000024	0.00000000087	0.000000047	0.00000089	0.000000071
Operations	August	0.0000068	0.00000071	0.000000000081	0.0000000019	0.00000009	0.000012	0.0000000014	0.0000000012	0.00000000028	0.0000000027	0.00000000096	0.000000052	0.00000098	0.000000078
Operations	September	0.0000068	0.00000071	0.000000000081	0.0000000019	0.00000009	0.000012	0.0000000014	0.0000000012	0.00000000028	0.0000000027	0.00000000096	0.000000052	0.00000098	0.000000078
Operations	October	0.0000083	0.00000087	0.0000000001	0.0000000024	0.00000011	0.000015	0.0000000017	0.0000000015	0.00000000034	0.0000000033	0.0000000012	0.000000064	0.0000012	0.000000097
Operations	November	0.0000076	0.0000008	0.000000000091	0.0000000022	0.0000001	0.000013	0.0000000016	0.0000000014	0.00000000031	0.000000003	0.0000000011	0.000000059	0.0000011	0.000000088
Operations	December	0.0000073	0.00000076	0.000000000087	0.0000000021	0.000000098	0.000013	0.0000000015	0.0000000013	0.0000000003	0.0000000029	0.000000001	0.000000056	0.0000011	0.000000085

Notes:
- value not available

Values represent loading to modelling node from dustfall on upstream water surface area (19,535 m^2) within the air quality regional study area as described in the Air Quality Modelling Report (WSP 2025).

Appendix C
Water Treatment

Table C-1. Estimated Membrane Filtration Treated Water Quality, Great Bear Project (Hatch Engineering, 2025).

DRAFT

Projection Date:	May-25
Revision:	D
Revision Date:	2025-06-27
Membrane type:	High-pressure RO membranes
Temperature:	15 C

Note: The projection (Table 1 and 2) are estimates and do not reflect actual conditions. These values are subject to change depending on feed chemistry and temperature. Testwork and vendor input is required to verify the data.
Based on experience, a factor was applied to the Table 1 permeate concentrations to define a reasonable range. Brine concentrations (in Table 1) have been rounded and may not be perfectly balance; however, any mass / concentration not found in the permeate is certainly present in the brine.

Table 1: Permeate and brine concentrations based on WAVE model projection.

					8-months a year	**4 months a year**		
No.	**Parameters**	**Units**	**Theorertical Max. monthly average effluent criteria**	**TMF Feed Concentration (Balanced)**	**Pre-treated Water (Without RO)**	**Permeate Concentration (15C)**	**Brine Concentration (15C) (Rounded)**	**Calculated Percent Removal (TMF Feed vs. Permeate Concentration)**
1	NH_4^+	mg/L	10.2	21		0.4 - 1.3	200	93.8
2	K^+	mg/L	No limit	24		0.2 - 0.8	250	96.6
3	Na^+	mg/L	No limit	351		2.5 - 7.5	3500	97.9
4	Mg^{+2}	mg/L	No limit	6		0.002 - 0.01	60	99.8
5	Ca^{+2}	mg/L	No limit	27		0.02 - 0.06	300	99.8
6	Sr^{+2}	mg/L	No limit	-		-	-	-
7	Ba^{+2}	mg/L	No limit	-		-	-	-
8	CO_3^{-2}	mg/L	No limit	0.03	0.03	<0.03	2.0	-
9	HCO_3^-	mg/L	No limit	38	38	2 - 6	350	84.2
10	NO_3^-	mg/L	62.44	14		2 - 5	150	63.2
11	F^-	mg/L	No limit	-		-	-	0.0
12	Cl^-	mg/L	No limit	21		0.3 - 0.9	250	95.7
13	Br^{-1}	mg/L	No limit	-		-	-	-
14	SO_4^{-2}	mg/L	590	834		4 - 11	8500	98.7
15	PO_4^{-3}	mg/L	0.033	2	<0.01	0.02 - 0.06	20	96.5
16	SiO_2	mg/L	No limit	-		-	-	-
17	Boron	mg/L	No limit	0.1	0.1	0.04 - 0.1	0.5	-
18	CO_2	mg/L	No limit	6	6	7 - 21	20	-
19	TDS[a]	mg/L	No limit	1336		11 - 33	13500	97.5
20	Cond.	µS/cm	No limit	2124		18- 55	17000	-
21	pH	pH Unit	6.5 - 8.5	7	6.5 - 8.5	<7	>7	-

Table 2: Permeate and brine concentrations for additional parameters in the feed (These values are not from the WAVE projection but based on experience)

No.	**Parameters**	**Units**	**Theorertical Max. monthly average effluent criteria**	**TMF Feed Concentration**	**Pre-treated Water (Without RO)**	**Permeate Concentration**	**Brine Concentration**	**Calculated Percent Removal (TMF Feed vs. Permeate Concentration)**
22	Al	mg/L	0.92	0.002	0.002	0.002	0.002	-
23	Cd	mg/L	0.0044	0.00006	0.00006	0.00006	0.00006	-
24	Cu	mg/L	0.015	0.0006	0.00064	0.0006	0.001	-
25	Hg	mg/L	0.00011	0.00001	0.00001	0.00001	0.00001	-
26	Ag	mg/L	0.00034	0.00007	0.00007	0.00007	0.00007	-
27	Be	mg/L	0.066	0.000003	0.000003	0.000003	0.000003	-
28	Co	mg/L	0.004	0.05	0.05	0.04	0.09	9.1
29	Cr	mg/L	0.0028	0.001	0.001	0.001	0.002	9.1
30	Mo	mg/L	0.19	0.043	0.043	0.037	0.09	13.0
31	P	mg/L	0.033	0.6	<0.01	Accounted in PO4 number provided above		98.2
32	Pb	mg/L	0.004	0.000007	0.000007	0.000007	0.000007	-
33	Sb	mg/L	0.12	0.06	0.06	0.05	0.2	18.9
34	Se	mg/L	0.005	0.004	0.004	0.003	0.01	9.1
35	Tl	mg/L	0.0018	0.00007	0.00007	0.00007	0.00007	-
36	U	mg/L	0.089	0.01	0.01	0.010	0.010	-
37	V	mg/L	0.03	0.01	0.01	0.01	0.01	-
38	W	mg/L	0.18	0.01	0.01	0.005	-	61.5
39	Zr	mg/L	0.02	0.002	0.002	0.002	0.002	-
40	Mn	mg/L	No limit	0.8	<0.5	0.04	0.2	95.3
41	Ni	mg/L	0.12	0.004	0.004	0.004	0.004	-
42	Zn	mg/L	0.08	0.004	0.004	0.004	0.004	-
43	As	mg/L	0.0095	0.08	<0.009	0.009	0.2	89.4
44	Fe	mg/L	2.64	0.03	0.03	0.005	Majority is removed in the pre-treatment. Assumes no iron-cyanide is present.	80.0
45	Nitrite	mg/L as N	0.3	3.0	3.0	2.7	5.5	9.1
46	Total Cyanide	mg/L	No limit	1.6	1.6	1.5	2.9	9.1
47	WAD Cyanide	mg/L	0.03 (for free CN)	0.5	0.5	0.45	0.9	9.1

Notes:

1 The initial water quality used for projection is based on Conservative Case - Operations (Equilibrated) for TMF Seepage.

2 The sulphate concentration used in the projection corresponds to the May 2040 chemistry.

3 Temperature was not reported, and is the single most important parameter

a. Higher temperatures increase the rate of transmission of ions across the membrane and since the flux is kept same, the quality goes down. Projections were ran at 2C and 15C but have provided results for the higher temperature of 15C here, as the worst quality is expected at higher temperature.

4 Table 1 results are based on WAVE software RO projection modeling and are not guarantees. These results do not correspond to end of life membrane quality.

5 While NF membranes were initially considered, the results presented here focus on RO systems, in alignment with Kinross's expressed interest in pursuing an RO-based solution

6 Different recovery scenarios (70% and 90%) were evaluated based on Kinross's request. However, the results presented here focus on the 90% recovery scenario, as Kinross has indicated a preference to proceed with that target. It's worth noting that future changes in water quality may influence both the RO system design and the required pre-treatment approach.

7 Approximate flowrates: RO Feed flowrate = 370 m3/h, permeate flowrate = ~333 m3/h, brine flowrate = ~37 m3/h.

8 Feed flow to the RO does not constitute the feedwater to the ETP since there are losses for pre-treatment for sludge or UF. To be considered in the future designs.

9 Feed water quality is not complete (indicated by a dash "-") and vendors will be interested in parameters not listed in the table such as silica, Ba, Sr and other parameter, organics/TOC/BOC that could potentially lead to premature fouling.

10 The provided permeate and brine concentrations are preliminary and are expected to change with changes in feed chemistry over time.

11 Rejection of ions will decline as membrane age.

12 The projection does not predict cobalt cyanide concentrations.

13 Testwork and vendor input is required to verify the data.

14 The maximum monthly average effluent criteria is obtained from WSP and Kinross's file 'OMEMA2303_GBR_Preliminary Water Quality Update_10Jan2025'.

Table C-2. Estimated Water Treatment Plant Treated Water Quality, Great Bear Project (Hatch Engineering, 2025).

1:100 scenario		
Maximum of the average flow rates for year 2040		
UGM / AEX	152	m3/h
VMF	750	m3/h
MWP	0	m3/h
Year 2040 was chosen since the monthly SO4 analysis was performed on year 2040.		
Water quality informat	2038	worst case scenario

DRAFT

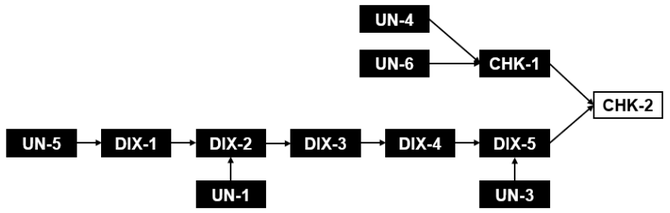
Parameter	Units	UGM_AEX Conservative Case - Maximum monthly concentrations Mass balance only (no equilibration in PHREEQC) 2038 Before cover placement	VMF Conservative Case - Maximum monthly concentration Mass balance only (no equilibration in PHREEQC) 2038 Before cover placement	MWP Seepage Conservative Case - Operations Equilibrated	Theoretical Max. monthly average effluent criteria	Combined Feed to WTP	Treated Water Quality	Calculated Percent Mass Removal
pH	pH Unit	7	7.0	7.5	6.5 - 8.5	7	6.5 - 8.5	-
Acidity	mg/L as CaCO3	14	50	3.1	No Limit	44	-	-
Alkalinity (as CaCO3)	mg/L as CaCO3	-	-	16	No Limit	16	-	-
SO4	mg/L	382	531	17	590	506	506	-
Chloride	mg/L	16	7.1	89	No Limit	8.6	9	-
Hg	mg/L	0.000051	0.00019	0.000025	0.00011	0.0002	<0.00011	33.95667468
Ag	mg/L	0.00013	0.00048	0.000073	0.00034	0.0004	<0.0005	-
Al	mg/L	1	3.9	0.00078	0.92	3	<0.92	73.02771266
As	mg/L	0.07	0.26	0.0093	0.0095	0.2	<0.009	96.05187077
Be	mg/L	0.00003	0.00011	0.0000011	0.066	0.0001	0.0001	-
B	mg/L	0.08	0.21	0.028	No Limit	0.19	0.19	-
Ca	mg/L	148	295	34	No Limit	270	270	-
Cd	mg/L	0.0014	0.0047	0.000026	0.0044	0.004	<0.004	3.46203085
Co	mg/L	0.03	0.021	0.002	0.004	0.023	<0.003	86.67724828
Cr	mg/L	0.0011	0.0044	0.0011	0.0028	0.004	<0.0028	27.14873685
Cu	mg/L	0.014	0.049	0.00044	0.015	0.043	<0.01	76.79662012
Fe	mg/L	0.6	0.57	0.015	2.64	0.575	<0.5	13.05248585
K	mg/L	62	220	26	No Limit	193	193	-
Mg	mg/L	11	17	7	No Limit	16	16	-
Mn	mg/L	3.8	15	1.7	No Limit	13	<0.5	96.18643579
Mo	mg/L	0.019	0.049	0.006	0.19	0.0439	<0.04	8.967666136
Na	mg/L	83	83	3	No limit	83	83	-
Ni	mg/L	0.013	0.048	0.0058	0.12	0.042	<0.04	4.98173561
P	mg/L	0.13	0.19	0.037	0.0108	0.180	<0.01	94.44076492
Pb	mg/L	0.012	0.041	0.0000093	0.004	0.036	<0.004	88.92245492
Sb	mg/L	0.027	0.093	0.0098	0.12	0.082	<0.1	-
Se	mg/L	0.0043	0.011	0.0006	0.005	0.01	0.01	-
Tl	mg/L	0.00026	0.001	0.00012	0.0018	0.0009	0.0009	-
U	mg/L	0.032	0.12	0.014	0.089	0.105	<0.06	42.94332457
V	mg/L	0.012	0.048	0.0067	0.03	0.042	<0.03	28.44965226
W	mg/L	0.017	0.04	0.0044	0.18	0.036	0.036	-
Zn	mg/L	0.14	0.34	0.0056	0.08	0.306	<0.05	83.67451108
Zr	mg/L	0.01	0.037	0.0049	0.02	0.032		100
Nitrate	mg/L as N	60.0	-	-	14.1	60	60	-
Ammonia	mg/L as N	9.0	-	-	8.4	9.0	9	-
Nitrite	mg/L as N	1.4	-	-	0.3	1.4	1.4	-
Total Cyanide	mg/L as N	0.18	-	-	No limit	0.18	0.18	-
WAD Cyanide	mg/L as N	0.06	-	-	0.03 (for free CN)	0.06	0.06	-

Notes

1. The maximum monthly average effluent criteria is obtained from WSP and Kinross's file 'OMEMA2303_GBR_Preliminary Water Quality Update_10Jan2025'.
2. The ETP feed chemistry is the blended chemistry reporting from MWP, AEX/UGM, and VMF.
3. The water quality used for AEX/UGM is based on Before Cover Placement - Conservative Case - Maximum monthly concentrations (Non-Equilibrated)
4. The water quality used for VMF is based on Before Cover Placement - Conservative Case - Maximum monthly concentrations (Non-Equilibrated)
5. The water quality used for MWP is based on Conservative Case - Operations (Equilibrated)
6. The TMF WTP feed chemistry is based on Conservative Case - Operations (Equilibrated) for TMF Seepage.
7. The TMF WTP feed sulphate concentration corresponds to the May 2040 chemistry.
8. The TMF WTP RO treatment is based on 90% recovery. Approximate flowrates: RO Feed flowrate = 370 m3/h, permeate flowrate = ~333 m3/h, brine flowrate = ~37 m3/h.
9. The provided treated water qualities are estimates based on experience and projection results (not guranteed).
10. The treated water quality will change with changes in feed chemistry.
11. Testwork and vendor input is required to verify the data.

Appendix D
Mass Balance Example

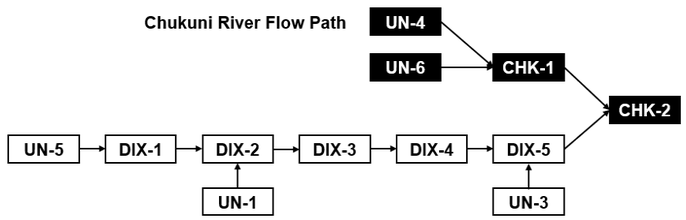
Summary of Mass Balance Calculations at CHK-2 (Breakdown of Chukuni River and Dixie Creek Flow Paths Below)



	CHK-2 Sulphate								
	Upstream Inputs				Mass and Flow Balance Calculations [1]			Predicted Flow and Chemistry	
	Upstream Input from CHK-1		Upstream Input from DIX-5		Sulphate Dust Load (mg/s)	Freshwater (Runoff Only) Input		Total Flow (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)		
January	17,583	6.6	1,216	2.2	0.051	42	4.2	18,841	6.3
February	14,828	6.9	1,055	2.3	0.047	36	4.7	15,919	6.6
March	14,481	6.9	947	2.3	0.050	35	4.7	15,462	6.6
April	22,966	8.1	1,577	2.0	0.040	55	4.7	24,598	7.7
May	51,704	6.3	3,867	1.6	0.039	124	4.9	55,695	6.0
June	55,091	6.2	4,433	1.2	0.047	132	4.9	59,656	5.8
July	45,712	5.2	3,567	1.2	0.048	110	5.2	49,388	5.0
August	33,067	7.1	2,399	1.5	0.045	79	5.2	35,545	6.7
September	32,670	7.0	1,886	1.4	0.050	78	5.1	34,634	6.7
October	30,501	6.8	1,736	1.6	0.057	73	5.3	32,309	6.5
November	27,395	6.4	1,577	1.4	0.060	66	4.2	29,038	6.1
December	21,722	6.5	1,365	1.9	0.047	52	4.2	23,139	6.2

1 For simplicity, flow-through conditions were assumed for these calculations.

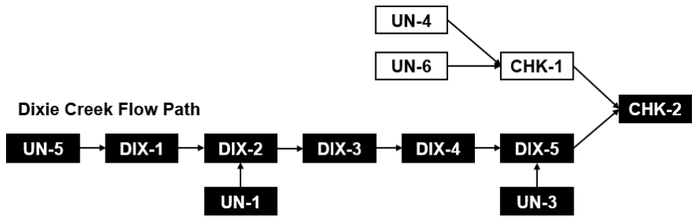
Chukuni River Flow Path to CHK-2



	CHK-1 Sulphate																	
	Upstream Inputs				Mass and Flow Balance Calculations [1]												Predicted Flow and Chemistry	
	Upstream Input from UN-4		Upstream Input from UN-6		Sulphate Dust Load (mg/s)	WTP Discharge		STP Discharge		MFE Discharge		Freshwater (Runoff Only) Input		Total Flow (L/s)	GW Loss (L/s)	Water Taking (L/s)	Final Flow Out to CHK-2 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)					
January	1.3	16	1.0	1.0	5.6	43	239	1.8	307	29	13	17,519	6.0	17,596	1.2	11	17,583	6.6
February	0.91	17	0.66	1.0	5.8	47	239	1.8	307	0	13	14,791	6.1	14,841	1.2	11	14,828	6.9
March	2.7	17	2.3	1.0	5.6	45	239	1.8	307	29	13	14,411	6.1	14,493	1.2	11	14,481	6.9
April	21	17	19	1.0	4.7	196	239	1.8	307	73	13	22,668	6.1	22,978	1.2	11	22,966	8.1
May	44	16	40	1.0	5.3	256	239	1.8	307	93	13	51,283	5.1	51,717	1.2	11	51,704	6.3
June	24	15	21	1.0	6.0	252	239	1.8	307	93	13	54,712	5.1	55,104	1.2	11	55,091	6.2
July	13	15	11	1.0	4.9	247	239	1.8	307	15	13	45,436	4.0	45,724	1.2	11	45,712	5.2
August	13	15	11	1.0	5.3	246	239	1.8	307	34	13	32,773	5.3	33,079	1.2	11	33,067	7.1
September	15	15	13	1.0	5.4	249	239	1.8	307	57	13	32,347	5.2	32,683	1.2	11	32,670	7.0
October	19	15	17	1.0	6.6	212	239	1.8	307	70	13	30,193	5.1	30,513	1.2	11	30,501	6.8
November	12	15	11	1.0	6.1	47	239	1.8	307	22	13	27,314	6.0	27,407	1.2	11	27,395	6.4
December	3.5	15	3.0	1.0	5.8	45	239	1.8	307	9.0	13	21,672	6.0	21,734	1.2	11	21,722	6.5

1 For simplicity, flow-through conditions were assumed for these calculations.

Dixie Creek Flow Path to CHK-2



	DIX-1 Sulphate										
	Upstream Inputs		Mass and Flow Balance Calculations [1]							Predicted Flow and Chemistry	
	Upstream Input from UN-5		Sulphate Dust Load (mg/s)	Freshwater (Runoff Only)		TMF Seepage		Total Flow (L/s)	GW Loss (L/s)	Final Flow Out to DIX-2 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)				
January	44	8.9	0.51	641	1.0	0.058	1209	685	0.12	685	1.6
February	38	10	0.48	558	1.0	0.058	1209	596	0.12	596	1.7
March	37	11	0.51	497	1.0	0.058	1209	535	0.12	535	1.8
April	91	11	0.60	772	1.0	0.058	1209	863	0.12	862	2.1
May	208	8.1	0.51	1,896	0.85	0.058	1209	2,104	0.12	2,104	1.6
June	192	5.7	0.41	2,253	0.85	0.058	1209	2,446	0.12	2,446	1.3
July	143	5.0	0.39	1,837	1.0	0.058	1209	1,980	0.12	1,980	1.3
August	104	5.3	0.39	1,227	1.0	0.058	1209	1,331	0.12	1,331	1.4
September	91	5.9	0.43	951	0.92	0.058	1209	1,042	0.12	1,042	1.4
October	92	6.4	0.45	861	0.92	0.058	1209	954	0.12	954	1.5
November	75	6.9	0.49	799	1.0	0.058	1209	875	0.12	875	1.6
December	53	7.8	0.47	713	1.0	0.058	1209	766	0.12	766	1.6

1 For simplicity, flow-through conditions were assumed for these calculations.

	DIX-2 Sulphate																			
	Upstream Inputs				Mass and Flow Balance Calculations [1]														Predicted Flow and Chemistry	
	Upstream Input from DIX-1		Upstream Input from UN-1		Sulphate Dust Load (mg/s)	Freshwater (Runoff + GW) Input				TMF Bypass Seepage		TMF Pond Bypass Seepage		MWP Bypass		AEX Discharge		Total Flow (L/s)	GW Loss (L/s)	Final Flow Out to DIX-3 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)		Runoff Flow (L/s)	GW Flow (L/s)	Runoff + GW (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)				
January	685	1.6	0	48	0.069	2.7	0	2.7	1.0	0.14	1,209	0.87	742	1.2	1.1	0	0	690	3.0	687	2.8
February	596	1.7	0	47	0.063	1.7	0	1.7	1.0	0.14	1,209	0.87	742	1.2	1.1	0	0	600	3.0	597	3.0
March	535	1.8	0	46	0.069	6.1	0	6.1	1.0	0.14	1,209	0.87	742	1.2	1.1	0	0	543	3.0	540	3.3
April	862	2.1	14	43	0.075	50	0	50	1.0	0	1,209	0	742	0	1.1	0	0	926	3.0	923	2.7
May	2104	1.6	35	35	0.069	105	0	105	1.0	0	1,209	0	742	0	1.1	0	0	2,243	3.0	2,240	2.1
June	2446	1.3	17	30	0.056	57	0	57	0.94	0	1,209	0	742	0	1.1	0	0	2,519	3.0	2,516	1.4
July	1980	1.3	6.6	36	0.054	30	0	30	1.1	0	1,209	0	742	0	1.1	0	0	2,016	3.0	2,013	1.4
August	1331	1.4	6.6	43	0.054	30	0	30	1.0	0	1,209	0	742	0	1.1	0	0	1,367	3.0	1,364	1.6
September	1042	1.4	8.9	47	0.059	36	0	36	1.0	0	1,209	0	742	0	1.1	0	0	1,087	3.0	1,084	1.8
October	954	1.5	12	47	0.061	44	0	44	1.0	0	1,209	0	742	0	1.1	0	0	1,010	3.0	1,007	2.1
November	875	1.6	6.2	49	0.066	29	0	29	1.0	0	1,209	0	742	0	1.1	0	0	910	3.0	907	1.9
December	766	1.6	0	49	0.065	7.9	0	7.9	1.5	0.14	1,209	0.87	742	1.2	1.1	0	0	776	3.0	773	2.6

1 For simplicity, flow-through conditions were assumed for these calculations.
Calculated results for DIX-2 predicted flow and chemistry are used as upstream inputs for DIX-3 (next page).

	DIX-3 Sulphate										
	Upstream Inputs		Mass and Flow Balance Calculations [1]							Predicted Flow and Chemistry	
	Upstream Input from DIX-2		Sulphate Dust Load (mg/s)	LP Discharge		Freshwater (Runoff Only) Input		Total Flow (L/s)	GW Loss (L/s)	Final Flow Out to DIX-4 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)				
January	646	3.2	0.027	0	0	6.2	1.5	652	13	639	3.2
February	561	3.5	0.024	0	0	5.4	1.5	566	13	553	3.5
March	508	3.9	0.028	0	0	4.8	1.1	512	13	499	3.9
April	859	1.8	0.028	0	0	7.5	1.1	867	13	853	1.8
May	2,083	1.2	0.027	0	0	18	0.90	2,101	13	2,088	1.2
June	2,354	1.1	0.022	0	0	22	0.90	2,376	13	2,362	1.1
July	1,888	1.4	0.022	0	0	18	1.0	1,906	13	1,892	1.4
August	1,278	1.5	0.021	0	0	12	1.4	1,290	13	1,277	1.5
September	1,013	1.6	0.024	0	0	9.3	1.0	1,022	13	1,009	1.6
October	939	1.7	0.023	0	0	8.4	1.0	948	13	934	1.6
November	849	1.8	0.026	0	0	7.8	0.83	856	13	843	1.8
December	727	3.0	0.026	0	0	6.9	0.94	734	13	721	3.0

1 For simplicity, flow-through conditions were assumed for these calculations.

	DIX-4 Sulphate												
	Upstream Inputs		Mass and Flow Balance Calculations [1]									Predicted Flow and Chemistry	
	Upstream Input from DIX-3		Sulphate Dust Load (mg/s)	VMF Seepage		Freshwater (Runoff + GW) Input				Total Flow (L/s)	GW Loss (L/s)	Final Flow Out to DIX-5 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)	Runoff Flow (L/s)	GW Flow (L/s)	Runoff + GW (L/s)	Sulphate (mg/L)				
January	680	2.8	0.030	0	0	445	0	445	1.5	1,125	3.6	1,121	2.3
February	589	3.0	0.027	0	0	387	0	387	1.5	977	3.6	973	2.4
March	531	3.3	0.031	0	0	345	0	345	1.1	876	3.6	873	2.4
April	917	2.7	0.026	0	0	536	0	536	1.1	1,453	3.6	1,449	2.1
May	2,246	2.1	0.027	0	0	1,315	0	1,315	0.90	3,561	3.6	3,557	1.6
June	2,525	1.4	0.025	0	0	1,563	0	1,563	0.90	4,088	3.6	4,085	1.2
July	2,018	1.4	0.026	0	0	1,274	0	1,274	1.0	3,292	3.6	3,288	1.3
August	1,363	1.6	0.026	0	0	851	0	851	1.4	2,214	3.6	2,210	1.5
September	1,080	1.8	0.029	0	0	660	0	660	1.0	1,740	3.6	1,736	1.5
October	1,002	2.0	0.028	0	0	598	0	598	1.0	1,600	3.6	1,596	1.7
November	901	1.9	0.030	0	0	555	0	555	0.83	1,456	3.6	1,452	1.5
December	767	2.6	0.028	0	0	495	0	495	0.94	1,262	3.6	1,258	1.9

1 For simplicity, flow-through conditions were assumed for these calculations.

	DIX-5 Sulphate										
	Upstream Inputs				Mass and Flow Balance Calculations [1]					Predicted Flow and Chemistry	
	Upstream Input from DIX-4		Upstream Input from UN-3		Sulphate Dust Load (mg/s)	Freshwater (Runoff Only) Input		Total Flow (L/s)	GW Loss (L/s)	Final Flow Out to CHK-2 (L/s)	Mixed Sulphate (mg/L)
Month	Flow (L/s)	Sulphate (mg/L)	Flow (L/s)	Sulphate (mg/L)		Flow (L/s)	Sulphate (mg/L)				
January	1,121	2.3	51	1.0	0.028	43	1.0	1,216	0.058	1,216	2.2
February	973	2.4	44	1.0	0.025	38	1.0	1,055	0.058	1,055	2.3
March	873	2.4	40	1.0	0.031	34	1.0	947	0.058	947	2.3
April	1,449	2.1	76	1.0	0.025	52	1.0	1,577	0.058	1,577	2.0
May	3,557	1.6	182	1.0	0.025	128	1.0	3,868	0.058	3,867	1.6
June	4,085	1.2	196	1.0	0.024	152	1.0	4,433	0.058	4,433	1.2
July	3,288	1.3	155	1.0	0.025	124	1.0	3,567	0.058	3,567	1.2
August	2,210	1.5	106	1.0	0.026	83	1.0	2,399	0.058	2,399	1.5
September	1,736	1.5	86	1.0	0.028	64	1.0	1,886	0.058	1,886	1.4
October	1,596	1.7	81	1.0	0.027	58	1.0	1,736	0.058	1,736	1.6
November	1,452	1.5	71	1.0	0.029	54	1.0	1,578	0.058	1,577	1.4
December	1,258	1.9	58	1.0	0.027	48	1.0	1,365	0.058	1,365	1.9

1 For simplicity, flow-through conditions were assumed for these calculations.

Appendix E
Base Case Model Results, Summary Statistics

Table E-1: Base Case Operations Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.7	6.9	6.9	8.6	7.0	6.7	5.8	7.8	7.7	7.4	6.6	6.6	6.9	8.4
Chloride	120	CCME	2.7	3.2	2.8	3.3	3.3	3.5	2.8	2.7	2.9	2.7	2.7	2.7	2.8	2.8	2.8	3.5
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.06	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00043	0.00048	0.00048	0.00052	0.00032	0.00031	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00043	0.00051
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0084	0.0055	0.0055	0.0070	0.0076	0.012	0.0094	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000097	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0084	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0065	0.0067	0.0083	0.0083	0.0061	0.0084
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000091	0.0000100	0.0000101	0.000014	0.0000079	0.0000070	0.0000087	0.0000117	0.0000105	0.000017	0.0000089	0.0000087	0.0000098	0.000018
Calcium	-	-	11	12	11	12	12	12	10	10	11	9.0	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00048	0.00029	0.00037	0.00105	0.00043	0.00043	0.00050	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000093	0.000094	0.00013	0.00017	0.00017	0.00015	0.00011	0.00014	0.00024	0.00010	0.00011	0.00012	0.00023
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.00009	0.000047	0.000047	0.000050	0.00012	0.00012	0.00010	0.000099	0.00021	0.00015	0.000092	0.00009	0.000096	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.6	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0078	0.008	0.010	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000088	0.00000072	0.00000074	0.00000087	0.0000015	0.0000015	0.00000092	0.00000098	0.0000010	0.0000010	0.00000088	0.00000087	0.00000092	0.0000015
Molybdenum	31	SEQG	0.00021	0.00029	0.00023	0.00027	0.00028	0.00037	0.00026	0.00025	0.00027	0.00025	0.00030	0.00041	0.00024	0.00023	0.00027	0.00041
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0013	0.00095	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.020	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1.1	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.91	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00012	0.00013	0.00011	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.00013	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000020	0.0000062	0.0000060	0.0000061	0.0000065	0.000013	0.000028	0.000015	0.000015	0.000015	0.000028
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000056	0.0000040	0.0000041	0.0000129	0.0000106	0.0000100	0.0000063	0.0000065	0.0000064	0.0000093	0.0000052	0.0000061	0.0000073	0.0000132
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000080	0.000126	0.000104	0.000096	0.000100	0.000119	0.000118	0.000115	0.000070	0.000070	0.000096	0.00012
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00014	0.00010	0.00010	0.00011	0.00013	0.00012	0.00014	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00042	0.00063	0.00063	0.00078	0.00061	0.00074	0.00098	0.00056	0.00056	0.00059	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0014	0.0020	0.0015	0.002	0.0015	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00078	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00051	0.00070	0.00070	0.00061	0.00078
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.057	0.071	0.078	0.14	0.076	0.068	0.068	0.088	0.11	0.099	0.058	0.055	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00049	0.00061	0.00067	0.00117	0.00065	0.00058	0.00058	0.00076	0.00094	0.00085	0.00049	0.00048	0.00063	0.00114
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0086	0.0094	0.0098	0.012	0.0027	0.0024	0.0022	0.0029	0.0078	0.0082	0.0086	0.0085	0.0083	0.012
Nitrate (as N)	3	CCME	0.034	0.13	0.073	0.18	0.19	0.28	0.110	0.096	0.091	0.12	0.13	0.16	0.074	0.070	0.11	0.28
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0028	0.0028	0.0028	0.0030	0.0007	0.0007	0.0018	0.0018	0.0021	0.0021	0.0028	0.0028	0.0025	0.0030

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-2: Base Case Operations Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.1	6.6	6.3	5.5	7.4	7.4	7.1	6.3	6.3	6.6	8.0
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.065	0.065	0.066	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.0000098	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.008	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0082	0.0082	0.0061	0.0082
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.00001	0.00001	0.00001	0.000014	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.000016	0.0000094	0.0000093	0.0000100	0.00002
Calcium	-	-	11	12	12	12	12	12	10	10	11	9.1	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00014	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000062	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.009	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000078	0.00000079	0.00000091	0.0000015	0.0000015	0.0000010	0.0000010	0.0000010	0.0000010	0.00000092	0.00000090	0.0000010	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00026	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00094	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000041	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000063	0.0000064	0.0000091	0.0000052	0.0000060	0.0000072	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000077	0.000120	0.000100	0.000091	0.000094	0.000113	0.000114	0.000111	0.000067	0.000067	0.000092	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.060	0.073	0.078	0.13	0.074	0.066	0.067	0.086	0.11	0.097	0.058	0.056	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00051	0.00063	0.00068	0.00113	0.00064	0.00057	0.00058	0.00074	0.00092	0.00083	0.00050	0.00048	0.00062	0.00111
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0090	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0035	0.0079	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.073	0.18	0.19	0.28	0.104	0.091	0.086	0.12	0.13	0.15	0.074	0.070	0.11	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0020	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-3: Base Case Operations Water Quality, Dixie Lake (DIX-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.5	1.5	1.6	1.7	1.4	1.3	1.4	1.4	1.4	1.5	1.6	1.5	1.4	1.7
Chloride	120	CCME	0.49	1.3	1.2	0.50	0.50	0.48	0.36	0.36	0.47	0.47	0.47	0.47	1.2	1.2	0.47	1.2
Aluminum	0.98	FEQG	0.13	0.19	0.15	0.12	0.12	0.12	0.18	0.19	0.15	0.15	0.12	0.12	0.14	0.14	0.14	0.19
Antimony	0.02	iPWQO	0.00042	0.00042	0.00042	0.00042	0.00042	0.00040	0.00023	0.00023	0.00041	0.00041	0.00023	0.00023	0.00040	0.00041	0.00040	0.00042
Arsenic	0.005	iPWQO	0.0020	0.0032	0.0020	0.0024	0.0024	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0021	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000024	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0054	0.0054	0.0059	0.0059	0.0054	0.0054	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000065	CCME	0.0000058	0.000021	0.000022	0.0000085	0.0000090	0.0000082	0.0000056	0.0000053	0.0000092	0.0000095	0.0000039	0.0000042	0.000021	0.000022	0.0000087	0.000022
Calcium	-	-	11	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00053	0.00070	0.00045	0.00062	0.00062	0.00059	0.00051	0.00052	0.00068	0.00068	0.00041	0.00041	0.00043	0.00044	0.00051	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00018	0.00016	0.00017	0.00017	0.00017	0.00014	0.00014	0.00019	0.00019	0.00014	0.00014	0.00016	0.00016	0.00016	0.00019
Copper	0.005	iPWQO	0.0010	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00077	0.00077	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.48	0.57	0.47	0.48	0.48	0.46	0.46	0.47	0.55	0.55	0.38	0.38	0.46	0.47	0.47	0.55
Lead	0.014	FEQG	0.00016	0.00021	0.00025	0.00025	0.00027	0.00024	0.00020	0.00019	0.00023	0.00024	0.00017	0.00018	0.00023	0.00024	0.00023	0.00027
Magnesium	-	-	3.2	4.2	3.1	4.1	4.1	3.9	2.9	2.9	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.020	0.046	0.020	0.044	0.043	0.041	0.018	0.019	0.044	0.044	0.016	0.016	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00023	0.00025	0.00024	0.00025	0.00025	0.00025	0.00018	0.00018	0.00025	0.00025	0.00023	0.00023	0.00024	0.00024	0.00024	0.00025
Nickel	0.025	CCME	0.00068	0.00086	0.00087	0.00070	0.00070	0.00067	0.00063	0.00064	0.00075	0.00075	0.00066	0.00066	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.030	0.038	0.037	0.025	0.025	0.025	0.036	0.036	0.019	0.019	0.029	0.029	0.036	0.037	0.029	0.037
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	0.92	0.92	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00015	0.000062	0.00014	0.00014	0.00014	0.00010	0.00010	0.00011	0.00011	0.000078	0.000078	0.000063	0.000062	0.00010	0.00014
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000013	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000037	0.0000056	0.0000039	0.0000039	0.0000040	0.0000040	0.0000051	0.0000050	0.0000036	0.0000037	0.0000056	0.0000056	0.0000040	0.0000039	0.0000040	0.0000056
Tungsten	0.03	iPWQO	0.000022	0.000032	0.000019	0.000028	0.000029	0.000031	0.000038	0.000036	0.000018	0.000019	0.000037	0.000038	0.000021	0.000019	0.000028	0.000038
Uranium	0.015	CCME	0.00019	0.00023	0.00022	0.00019	0.00019	0.00018	0.00019	0.00019	0.00015	0.00015	0.00017	0.00017	0.00021	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00080	0.0009	0.00080	0.00074	0.00074	0.00071	0.00087	0.00089	0.00077	0.0008	0.0007	0.00069	0.00078	0.0008	0.00077	0.00089
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0024	0.0025	0.0024	0.0017	0.0017	0.0021	0.0021	0.0016	0.0016	0.0014	0.0014	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00093	0.00095	0.00093	0.00093	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00057	0.00089	0.00091	0.00089	0.00093
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.057	0.058	0.059	0.060	0.038	0.036	0.055	0.055	0.057	0.058	0.058	0.058	0.056	0.060
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00049	0.00050	0.00051	0.00052	0.00033	0.00031	0.00047	0.00047	0.00049	0.00050	0.00050	0.00049	0.00048	0.00052
Nitrite (as N)	0.06	CCME	0.014	0.014	0.014	0.014	0.014	0.013	0.0074	0.0075	0.014	0.014	0.0075	0.0076	0.014	0.014	0.013	0.014
Nitrate (as N)	3	CCME	0.061	0.21	0.067	0.20	0.19	0.18	0.021	0.021	0.028	0.028	0.052	0.051	0.064	0.066	0.057	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0046	0.0047	0.0045	0.0045	0.0045	0.0042	0.0019	0.0020	0.0020	0.0044	0.0043	0.0042	0.0043	0.0044	0.0043	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-4: Base Case Operations Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.1	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.51	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.8	FEQG	0.14	0.21	0.15	0.12	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00039	0.00042	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0024	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000022	0.0000088	0.0000094	0.0000084	0.0000058	0.0000054	0.0000093	0.000010	0.0000041	0.0000044	0.000021	0.000022	0.0000090	0.000022
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00041	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.49	0.58	0.47	0.48	0.48	0.47	0.46	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00026	0.00026	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00024	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00030
Nickel	0.025	CCME	0.00072	0.00086	0.00087	0.00070	0.00070	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00015	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00021	0.00024	0.00022	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00082	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00077	0.00070	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0025	0.0024	0.0017	0.0017	0.0021	0.0022	0.0016	0.0016	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00093	0.00094	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.095	0.10	0.11	0.081	0.055	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00082	0.00087	0.00092	0.00070	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00060	0.00078	0.00060	0.00092
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0087	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-5: Base Case Operations Water Quality, Dixie Creek (DIX-3)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.0	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.54	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.82	FEQG	0.15	0.22	0.15	0.13	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00038	0.00040	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0025	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000013	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0058	0.0061	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000072	CCME	0.0000066	0.000020	0.000023	0.0000089	0.0000095	0.0000085	0.0000058	0.0000054	0.0000093	0.000010	0.0000042	0.0000044	0.000021	0.000022	0.0000091	0.000023
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00059	0.00072	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00042	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00094	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.50	0.60	0.47	0.48	0.48	0.47	0.47	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00027	0.00027	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.022	0.050	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000014	0.0000018	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00025	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00029
Nickel	0.025	CCME	0.00073	0.00086	0.00087	0.00070	0.00071	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.3	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.94	0.95	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00016	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000022	0.000023	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000040	0.0000056	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000024	0.000042	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00022	0.00025	0.00023	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00023
Vanadium	0.12	FEQG	0.00085	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00078	0.00071	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0026	0.0024	0.0018	0.0017	0.0021	0.0022	0.0016	0.0017	0.0015	0.0015	0.0017	0.0026
Zirconium	0.004	iPWQO	0.00089	0.00092	0.00093	0.00094	0.00093	0.00087	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia, Total (as N)	1.8	CCME	0.047	0.055	0.095	0.10	0.11	0.081	0.054	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00047	0.00081	0.00087	0.00091	0.00069	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00059	0.00077	0.00059	0.00091
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0086	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0043	0.0045	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-6: Base Case Operations Water Quality, Dixie Creek (DIX-4)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.1	2.2	2.3	1.8	1.5	1.2	1.3	1.4	1.5	1.6	1.5	1.9	1.5	2.3
Chloride	120	CCME	0.74	1.4	1.2	0.57	0.88	0.82	0.38	0.37	0.61	0.55	0.50	0.55	1.1	1.1	0.59	1.2
Aluminum	0.82	FEQG	0.22	0.30	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.19	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00026	0.00032	0.00039	0.00039	0.00039	0.00036	0.00021	0.00021	0.00039	0.00035	0.00021	0.00026	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0022	0.0030	0.0019	0.0023	0.0024	0.0024	0.0019	0.0019	0.0030	0.0032	0.0023	0.0023	0.0021	0.0019	0.0023	0.0032
Beryllium	0.011	PWQO	0.000016	0.000022	0.000023	0.000013	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000021	0.000013	0.000023
Boron	1.5	CCME	0.0056	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0060	0.0060	0.0058	0.0060
Cadmium	0.000072	CCME	0.0000080	0.000018	0.000023	0.000011	0.0000089	0.0000083	0.0000056	0.0000052	0.0000091	0.0000091	0.0000045	0.0000042	0.000019	0.000019	0.0000090	0.000023
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00088	0.00052	0.00067	0.00071	0.00068	0.00060	0.00060	0.00078	0.00069	0.00049	0.00052	0.00050	0.00046	0.00060	0.0008
Cobalt	0.0009	iPWQO	0.00018	0.00024	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.60	0.76	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.59	0.46	0.47	0.50	0.48	0.52	0.61
Lead	0.016	FEQG	0.00019	0.00023	0.00024	0.00024	0.00025	0.00023	0.00019	0.00019	0.00023	0.00024	0.00017	0.00019	0.00022	0.00022	0.00023	0.00025
Magnesium	-	-	3.6	4.4	3.4	4.2	4.2	4.1	3.1	3.0	3.3	3.5	3.1	3.4	3.2	3.2	3.4	4.2
Manganese	-	-	0.033	0.058	0.024	0.044	0.047	0.047	0.021	0.021	0.047	0.050	0.022	0.023	0.0204	0.020	0.024	0.050
Mercury	0.000026	CCME	0.0000018	0.0000026	0.0000015	0.0000015	0.0000015	0.0000015	0.0000018	0.0000018	0.0000017	0.0000016	0.0000015	0.0000014	0.0000015	0.0000013	0.0000015	0.0000018
Molybdenum	31	SEQG	0.00025	0.00031	0.00028	0.00029	0.00028	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00028	0.00025	0.00026	0.00026	0.00029
Nickel	0.025	CCME	0.00088	0.00095	0.00087	0.00072	0.00078	0.00076	0.00070	0.00069	0.00084	0.00082	0.00075	0.00075	0.00088	0.00084	0.00077	0.00088
Phosphorus	0.03	iPWQO	0.035	0.037	0.037	0.027	0.029	0.028	0.036	0.036	0.022	0.024	0.032	0.031	0.037	0.036	0.032	0.037
Potassium	-	-	1.2	1.3	1.2	1.3	1.3	1.3	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00034	0.00017	0.00024	0.00014	0.00014	0.00011	0.00010	0.00011	0.00011	0.000088	0.000084	0.000071	0.000070	0.00011	0.00024
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000020	0.000012	0.000012	0.000023	0.000020	0.000013	0.000014	0.000023	0.000020	0.000020	0.000023
Thallium	0.008	CCME	0.0000047	0.0000063	0.0000041	0.0000041	0.0000041	0.0000042	0.0000051	0.0000050	0.0000047	0.0000039	0.0000055	0.0000059	0.0000047	0.0000041	0.0000044	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000078	0.000027	0.000035	0.000036	0.000035	0.000041	0.000038	0.000023	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00025	0.00037	0.00029	0.00026	0.00021	0.00021	0.00020	0.00020	0.00017	0.00019	0.00020	0.00023	0.00024	0.00024	0.00021	0.00029
Vanadium	0.12	FEQG	0.0010	0.0012	0.00090	0.00085	0.00086	0.00084	0.00099	0.00099	0.00096	0.00094	0.00082	0.00086	0.00089	0.00086	0.00087	0.0010
Zinc	0.03	CCME	0.0016	0.0023	0.0016	0.0023	0.0024	0.0023	0.0017	0.0016	0.0023	0.0020	0.0015	0.0016	0.0014	0.0014	0.0017	0.0024
Zirconium	0.004	iPWQO	0.00076	0.0009	0.0009	0.00088	0.00090	0.00084	0.00058	0.00058	0.00092	0.00083	0.00060	0.00063	0.00091	0.0008	0.00083	0.0009
Ammonia, Total (as N)	1.8	CCME	0.046	0.097	0.096	0.10	0.084	0.068	0.047	0.039	0.055	0.056	0.061	0.065	0.058	0.069	0.060	0.0995
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00084	0.00082	0.00086	0.00072	0.00059	0.00040	0.00034	0.00047	0.00048	0.00052	0.00056	0.00050	0.00060	0.00052	0.00086
Nitrite (as N)	0.06	CCME	0.0099	0.014	0.015	0.015	0.016	0.014	0.0070	0.0066	0.014	0.012	0.0086	0.0086	0.014	0.013	0.013	0.016
Nitrate (as N)	3	CCME	0.061	0.20	0.081	0.19	0.20	0.19	0.026	0.022	0.029	0.028	0.050	0.055	0.066	0.068	0.060	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0042	0.0040	0.0040	0.0040	0.0037	0.0019	0.0019	0.0025	0.0041	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-7: Base Case Operations Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.0	2.1	2.2	1.8	1.5	1.2	1.3	1.4	1.4	1.6	1.5	1.8	1.5	2.2
Chloride	120	CCME	0.91	1.6	1.3	0.75	1.1	1.0	0.60	0.57	0.80	0.75	0.70	0.75	1.2	1.3	0.77	1.3
Aluminum	0.73	FEQG	0.22	0.29	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.20	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00028	0.00033	0.00039	0.00039	0.00039	0.00036	0.00022	0.00022	0.00039	0.00035	0.00022	0.00027	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0020	0.0024	0.0025	0.0024	0.0020	0.0019	0.0031	0.0033	0.0024	0.0023	0.0022	0.0020	0.0023	0.0033
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000014	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000020	0.000014	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0059	0.0060	0.0057	0.0060
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000022	0.000011	0.0000093	0.0000087	0.0000061	0.0000057	0.0000093	0.0000093	0.0000050	0.0000047	0.000018	0.000019	0.0000093	0.000022
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00067	0.00071	0.00069	0.00060	0.00060	0.00078	0.00068	0.00050	0.00053	0.00050	0.00047	0.00060	0.00078
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.59	0.75	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.58	0.46	0.47	0.50	0.47	0.52	0.61
Lead	0.017	FEQG	0.00018	0.00022	0.00025	0.00025	0.00027	0.00025	0.00021	0.00020	0.00024	0.00025	0.00019	0.00020	0.00023	0.00023	0.00024	0.00027
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.1	3.1	3.1	3.4	3.5	3.1	3.5	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.026	0.045	0.048	0.047	0.022	0.022	0.047	0.051	0.024	0.025	0.022	0.021	0.025	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000016	0.0000016	0.0000016	0.0000015	0.0000019	0.0000019	0.0000018	0.0000017	0.0000016	0.0000015	0.0000016	0.0000014	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00026	0.00031	0.00028	0.00029	0.00027	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00027	0.00025	0.00025	0.00025	0.00029
Nickel	0.025	CCME	0.00087	0.00093	0.00087	0.00073	0.00079	0.00076	0.00071	0.00070	0.00084	0.00082	0.00076	0.00075	0.00087	0.00083	0.00078	0.00087
Phosphorus	0.03	iPWQO	0.034	0.036	0.036	0.027	0.028	0.028	0.035	0.036	0.022	0.024	0.032	0.031	0.036	0.036	0.031	0.036
Potassium	-	-	1.2	1.4	1.2	1.3	1.3	1.3	1.1	1.1	1.0	1.1	1.0	1.1	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00032	0.00017	0.00023	0.00014	0.00014	0.00011	0.00011	0.00011	0.00011	0.000090	0.000086	0.000074	0.000072	0.00011	0.00023
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000021	0.000013	0.000013	0.000023	0.000021	0.000014	0.000015	0.000023	0.000020	0.000021	0.000023
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000042	0.0000042	0.0000042	0.0000042	0.0000051	0.0000050	0.0000048	0.0000039	0.0000055	0.0000059	0.0000048	0.0000042	0.0000045	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000027	0.000035	0.000036	0.000035	0.000040	0.000038	0.000024	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00024	0.00035	0.00028	0.00025	0.00021	0.00020	0.00020	0.00020	0.00016	0.00018	0.00019	0.00022	0.00024	0.00023	0.00020	0.00028
Vanadium	0.12	FEQG	0.0010	0.0012	0.00089	0.00084	0.00085	0.00084	0.00098	0.00098	0.00095	0.00093	0.00081	0.00085	0.00088	0.00085	0.00087	0.0010
Zinc	0.03	CCME	0.0016	0.0024	0.0017	0.0024	0.0025	0.0024	0.0018	0.0017	0.0023	0.0021	0.0016	0.0017	0.0015	0.0015	0.0018	0.0025
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00089	0.00089	0.00091	0.00086	0.00061	0.00061	0.00093	0.00084	0.00062	0.00066	0.00092	0.00083	0.00085	0.00093
Ammonia, Total (as N)	1.8	CCME	0.049	0.098	0.096	0.10	0.084	0.070	0.050	0.043	0.057	0.058	0.063	0.066	0.060	0.070	0.062	0.10
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00083	0.00086	0.00072	0.00060	0.00043	0.00037	0.00049	0.00050	0.00054	0.00057	0.00052	0.00060	0.00054	0.00086
Nitrite (as N)	0.06	CCME	0.011	0.015	0.015	0.015	0.015	0.014	0.0073	0.0069	0.014	0.012	0.0089	0.0089	0.014	0.013	0.013	0.015
Nitrate (as N)	3	CCME	0.059	0.19	0.079	0.18	0.19	0.18	0.027	0.022	0.029	0.028	0.049	0.054	0.064	0.066	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0039	0.0039	0.0039	0.0037	0.0020	0.0020	0.0026	0.0040	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-8: Base Case Operations Water Quality, Genessee Lake (GEN-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Chloride	120	CCME	0.25	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Aluminum	1.1	FEQG	0.013	0.013	0.067	0.068	0.068	0.069	0.069	0.068	0.066	0.066	0.065	0.066	0.066	0.067	0.066	0.069
Antimony	0.02	iPWQO	0.000050	0.000050	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052
Arsenic	0.005	iPWQO	0.0020	0.0020	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.002	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
Beryllium	0.011	PWQO	0.000010	0.000010	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000061	CCME	0.0000025	0.0000025	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010
Calcium	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Chromium	0.0089	iPWQO [2]	0.00025	0.00025	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030
Cobalt	0.0009	iPWQO	0.000050	0.000050	0.000070	0.000070	0.000070	0.000071	0.000071	0.000070	0.000070	0.000069	0.000069	0.000069	0.000070	0.000070	0.000070	0.000071
Copper	0.005	iPWQO	0.00025	0.00025	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00039	0.00039	0.00039	0.00039	0.00039	0.00040	0.00039	0.00040
Iron	0.8	FEQG	0.16	0.17	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Lead	0.011	FEQG	0.000025	0.000025	0.00028	0.00028	0.00029	0.00029	0.00029	0.00028	0.00028	0.00027	0.00027	0.00027	0.00027	0.00028	0.00028	0.00029
Magnesium	-	-	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Manganese	-	-	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Mercury	0.000026	CCME	0.00000055	0.00000055	0.00000065	0.00000066	0.00000066	0.00000066	0.00000066	0.00000066	0.00000065	0.00000065	0.00000065	0.00000065	0.00000065	0.00000065	0.00000065	0.00000066
Molybdenum	31	SEQG	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Nickel	0.025	CCME	0.00025	0.00025	0.00036	0.00036	0.00036	0.00037	0.00037	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00037
Phosphorus	0.03	iPWQO	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Potassium	-	-	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Selenium	0.002	BC WQG	0.000076	0.000077	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078	0.000078
Silver	0.00025	CCME	0.0000050	0.0000050	0.0000065	0.0000065	0.0000065	0.0000065	0.0000065	0.0000065	0.0000065	0.0000065	0.0000064	0.0000065	0.0000065	0.0000065	0.0000065	0.0000066
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000053	0.0000053	0.0000054	0.0000054	0.0000054	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.000005	0.0000053	0.000005
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053	0.000053
Uranium	0.015	CCME	0.000039	0.000039	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041	0.000041
Vanadium	0.12	FEQG	0.00025	0.00025	0.00031	0.00032	0.00032	0.00032	0.00032	0.00032	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00031	0.00032
Zinc	0.03	CCME	0.0015	0.0015	0.0027	0.0027	0.0027	0.0028	0.0028	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028
Zirconium	0.004	iPWQO	0.00010	0.00010	0.0002	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00019	0.00019	0.00019	0.00020	0.00020	0.00020	0.00020
Ammonia, Total (as N)	1.8	CCME	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.02	0.02	0.018	0.018	0.018	0.018	0.018
Ammonia, Unionized (as N)	0.019	CCME	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016
Nitrite (as N)	0.06	CCME	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
Nitrate (as N)	3	CCME	0.0096	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Cyanide, WAD	0.005	PWQO [3]	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-9: Base Case Operations Water Quality, Genessee Lake (GEN-L)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Chloride	120	CCME	0.25	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Aluminum	1.1	FEQG	0.013	0.013	0.055	0.055	0.056	0.056	0.056	0.055	0.055	0.054	0.054	0.054	0.054	0.055	0.055	0.057
Antimony	0.02	iPWQO	0.000050	0.000050	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.000052	0.00005	0.00005	0.00005
Arsenic	0.005	iPWQO	0.0020	0.0020	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
Beryllium	0.011	PWQO	0.000010	0.000010	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000061	CCME	0.0000025	0.0000025	0.0000082	0.0000083	0.0000084	0.0000084	0.0000084	0.0000083	0.0000082	0.0000081	0.0000081	0.0000081	0.0000082	0.0000082	0.0000082	0.0000085
Calcium	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Chromium	0.0089	iPWQO [2]	0.00025	0.00025	0.00029	0.00029	0.00029	0.00029	0.00029	0.00029	0.00029	0.00029	0.00028	0.00029	0.00029	0.00029	0.00029	0.00029
Cobalt	0.0009	iPWQO	0.000050	0.000050	0.000065	0.000066	0.000066	0.000066	0.000066	0.000066	0.000065	0.000065	0.000065	0.000065	0.000065	0.000065	0.000065	0.000066
Copper	0.005	iPWQO	0.00025	0.00025	0.00036	0.00036	0.00037	0.00037	0.00037	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00037
Iron	0.8	FEQG	0.16	0.17	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Lead	0.011	FEQG	0.000025	0.000025	0.00022	0.000224	0.000226	0.00023	0.00023	0.00022	0.00022	0.00022	0.00022	0.00022	0.000220	0.00022	0.00022	0.0002
Magnesium	-	-	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Manganese	-	-	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Mercury	0.000026	CCME	0.00000055	0.00000055	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063	0.00000063
Molybdenum	31	SEQG	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Nickel	0.025	CCME	0.00025	0.00025	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00034	0.00033	0.00034	0.00034	0.00034	0.00034	0.00034
Phosphorus	0.03	iPWQO	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Potassium	-	-	0.74	0.74	0.75	0.75	0.7	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Selenium	0.002	BC WQG	0.000076	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077
Silver	0.00025	CCME	0.0000050	0.0000050	0.0000062	0.0000062	0.0000062	0.0000062	0.0000062	0.0000062	0.0000061	0.0000061	0.0000061	0.0000061	0.0000061	0.0000062	0.0000061	0.0000062
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.000053	0.00005	0.00005	0.00005	0.000053	0.000053	0.000053	0.000053
Uranium	0.015	CCME	0.000039	0.000039	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040	0.000040
Vanadium	0.12	FEQG	0.00025	0.0003	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.00030	0.0003	0.0003	0.00030	0.00030	0.0003	0.00030	0.0003
Zinc	0.03	CCME	0.0015	0.0015	0.0024	0.0025	0.0025	0.0025	0.0025	0.0025	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0025
Zirconium	0.004	iPWQO	0.00010	0.00010	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00017	0.00017	0.00017	0.00017	0.00017	0.00018	0.00017	0.00018
Ammonia, Total (as N)	1.8	CCME	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Ammonia, Unionized (as N)	0.019	CCME	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016
Nitrite (as N)	0.06	CCME	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.000500	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
Nitrate (as N)	3	CCME	0.0096	0.010	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0097
Cyanide, WAD	0.005	PWQO [3]	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-10: Base Case Operations Water Quality, Pakwash Lake (PAK-IN)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.1	6.6	6.3	5.5	7.4	7.4	7.1	6.3	6.3	6.6	8.0
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	1.1	FEQG	0.13	0.22	0.11	0.065	0.065	0.07	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.000010	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.0078	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0082	0.0082	0.0061	0.0082
Cadmium	0.000074	CCME	0.0000072	0.0000086	0.0000100	0.0000101	0.0000100	0.0000140	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.0000162	0.0000094	0.0000093	0.0000100	0.000017
Calcium	-	-	11	12	12	12	12	12	10	10	11	9	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.00103	0.00044	0.0004	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00014	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.013	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000062	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.0086	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000078	0.00000079	0.00000091	0.0000015	0.0000015	0.00000099	0.00000103	0.0000010	0.0000010	0.00000092	0.00000090	0.00000097	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00026	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.0009	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.02	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000041	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000063	0.0000064	0.0000091	0.0000052	0.0000060	0.0000072	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000077	0.000119	0.000100	0.000091	0.000094	0.000113	0.000114	0.000111	0.000067	0.000067	0.000091	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.034	0.048	0.059	0.073	0.078	0.13	0.074	0.066	0.067	0.086	0.11	0.097	0.058	0.056	0.072	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00041	0.00051	0.00063	0.00067	0.00113	0.00064	0.00056	0.00058	0.00074	0.00092	0.00083	0.00050	0.00048	0.00062	0.00110
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0089	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0035	0.0079	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.073	0.18	0.19	0.28	0.104	0.090	0.086	0.12	0.13	0.15	0.074	0.069	0.106	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0020	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-11: Base Case Operations Water Quality, Pakwash Lake (PAK-L)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	4.0	4.8	5.5	5.5	5.5	5.0	3.9	3.9	4.5	5.1	5.4	5.5	5.4	5.5	5.2	5.8
Chloride	120	CCME	2.0	2.1	2.2	2.2	2.2	2.1	1.6	1.5	1.8	2.1	2.1	2.0	2.0	2.1	2.1	2.2
Aluminum	1.3	FEQG	0.20	0.22	0.20	0.19	0.18	0.15	0.14	0.16	0.19	0.21	0.21	0.21	0.22	0.21	0.19	0.22
Antimony	0.02	iPWQO	0.00025	0.00030	0.00032	0.00033	0.00033	0.00030	0.00022	0.00019	0.00022	0.00028	0.00029	0.00029	0.00029	0.00031	0.00030	0.00034
Arsenic	0.005	iPWQO	0.0061	0.0066	0.0067	0.0066	0.0065	0.0058	0.0041	0.0035	0.0040	0.005	0.0057	0.0065	0.0067	0.0067	0.0061	0.0067
Beryllium	0.011	PWQO	0.000012	0.000015	0.000015	0.000014	0.000013	0.000011	0.0000089	0.0000088	0.000010	0.000011	0.000011	0.000012	0.000016	0.000016	0.000012	0.000016
Boron	1.5	CCME	0.0056	0.0071	0.0074	0.0075	0.0072	0.0062	0.0048	0.0047	0.0053	0.0060	0.0061	0.0061	0.0064	0.0069	0.0062	0.0075
Cadmium	0.000074	CCME	0.0000051	0.0000069	0.0000093	0.0000092	0.0000090	0.0000082	0.0000064	0.0000056	0.0000061	0.0000075	0.0000083	0.0000088	0.0000097	0.0000095	0.0000087	0.0000113
Calcium	-	-	12	13	13	13	13	12	10	10	11	12	12	12	12	13	12	13
Chromium	0.0089	iPWQO [2]	0.00056	0.00064	0.00061	0.00060	0.00059	0.00054	0.00046	0.00047	0.00053	0.00056	0.00053	0.00055	0.00064	0.00064	0.00056	0.00064
Cobalt	0.0009	iPWQO	0.00014	0.00015	0.00014	0.00014	0.00013	0.00012	0.00011	0.00012	0.00014	0.00015	0.00015	0.00015	0.00016	0.00015	0.00014	0.00016
Copper	0.005	iPWQO	0.0015	0.0016	0.0016	0.0017	0.0016	0.0015	0.0012	0.0012	0.0014	0.0015	0.0015	0.0015	0.0015	0.0016	0.0015	0.0017
Iron	0.8	FEQG	0.26	0.29	0.26	0.26	0.25	0.23	0.20	0.22	0.26	0.28	0.28	0.27	0.28	0.27	0.26	0.28
Lead	0.013	FEQG	0.00013	0.00015	0.00014	0.00013	0.00012	0.00010	0.000087	0.000099	0.00012	0.00013	0.00013	0.00015	0.00015	0.00014	0.00013	0.00015
Magnesium	-	-	3.0	3.3	3.2	3.3	3.2	3.0	2.5	2.5	2.7	3.0	3.0	3.0	3.0	3.1	3.0	3.3
Manganese	-	-	0.012	0.014	0.012	0.012	0.012	0.011	0.0094	0.010	0.011	0.013	0.014	0.014	0.013	0.012	0.012	0.014
Mercury	0.000026	CCME	0.0000012	0.0000013	0.0000012	0.0000012	0.0000012	0.0000011	0.0000010	0.0000012	0.0000013	0.0000014	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000014
Molybdenum	31	SEQG	0.00023	0.00025	0.00028	0.00028	0.00028	0.00026	0.00022	0.00021	0.00023	0.00026	0.00027	0.00028	0.00030	0.00029	0.00027	0.00030
Nickel	0.025	CCME	0.0012	0.0013	0.0013	0.0013	0.0013	0.0012	0.0009	0.0009	0.0011	0.0011	0.0011	0.0011	0.0012	0.0012	0.0012	0.0013
Phosphorus	0.02	iPWQO	0.030	0.036	0.033	0.032	0.031	0.028	0.022	0.021	0.024	0.029	0.029	0.033	0.037	0.035	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.2	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.2	1.1	1.2
Selenium	0.002	BC WQG	0.00011	0.00012	0.00013	0.00013	0.00013	0.00011	0.00009	0.000092	0.00011	0.00012	0.00013	0.00012	0.00012	0.00012	0.00012	0.00013
Silver	0.00025	CCME	0.000011	0.000014	0.000014	0.000014	0.000014	0.000013	0.0000092	0.0000065	0.0000064	0.0000071	0.0000076	0.000010	0.000013	0.000014	0.000011	0.000014
Thallium	0.008	CCME	0.0000054	0.000006	0.0000067	0.0000067	0.0000064	0.0000063	0.0000060	0.0000066	0.0000074	0.0000076	0.0000071	0.0000069	0.0000071	0.000007	0.0000068	0.000008
Tungsten	0.03	iPWQO	0.000053	0.000055	0.00008	0.00008	0.00007	0.00007	0.00006	0.00007	0.000075	0.00009	0.00009	0.00009	0.000091	0.00008	0.00008	0.00009
Uranium	0.015	CCME	0.00012	0.00014	0.00014	0.00014	0.00014	0.00013	0.00010	0.00009	0.00010	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00083	0.00087	0.00084	0.00081	0.00077	0.00068	0.00058	0.00063	0.00073	0.00083	0.00084	0.00085	0.00088	0.00086	0.00082	0.00088
Zinc	0.03	CCME	0.0017	0.0018	0.0017	0.0018	0.0018	0.0017	0.0014	0.0014	0.0015	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0018
Zirconium	0.004	iPWQO	0.00041	0.00058	0.00054	0.00058	0.00059	0.00055	0.00038	0.00027	0.00029	0.00037	0.00039	0.00039	0.00042	0.00049	0.00040	0.00059
Ammonia, Total (as N)	1.8	CCME	0.025	0.032	0.057	0.055	0.054	0.053	0.046	0.042	0.047	0.054	0.060	0.066	0.066	0.061	0.055	0.069
Ammonia, Unionized (as N)	0.019	CCME	0.00022	0.00027	0.00049	0.00047	0.00047	0.00046	0.00040	0.00037	0.00040	0.00047	0.00052	0.00056	0.00056	0.00053	0.00047	0.00059
Nitrite (as N)	0.06	CCME	0.0033	0.0056	0.0061	0.0064	0.0066	0.0061	0.0041	0.0025	0.0022	0.0024	0.0029	0.0038	0.0047	0.0055	0.0043	0.0066
Nitrate (as N)	3	CCME	0.025	0.053	0.074	0.074	0.084	0.095	0.084	0.066	0.066	0.073	0.079	0.085	0.088	0.082	0.077	0.096
Cyanide, WAD	0.005	PWQO [3]	0.0015	0.0021	0.0020	0.0022	0.0022	0.0020	0.0013	0.0008	0.0009	0.0012	0.0014	0.0015	0.0016	0.0019	0.0016	0.0022

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-12: Base Case Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	5.1	5.2	5.2	5.2	4.9	4.5	4.4	4.4	4.7	4.9	5.0	5.1	4.9	5.4
Chloride	120	CCME	1.8	1.9	2.0	2.0	2.0	2.1	2.0	1.8	1.7	1.8	1.9	1.9	1.9	2.0	1.9	2.1
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00028	0.00028	0.00029	0.00029	0.00028	0.00024	0.00023	0.00023	0.00025	0.00026	0.00027	0.00027	0.00027	0.00030
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0055	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000011	0.000011	0.000012	0.000012	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0062	0.0064	0.0065	0.0065	0.0062	0.0056	0.0053	0.0054	0.0056	0.0057	0.0058	0.0060	0.0059	0.0065
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000083	0.0000084	0.0000085	0.0000085	0.0000081	0.0000072	0.0000066	0.0000066	0.0000070	0.0000073	0.0000078	0.0000081	0.0000079	0.0000101
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	12	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00058	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000011	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00022	0.00024	0.00027	0.00027	0.00027	0.00027	0.00026	0.00024	0.00023	0.00024	0.00024	0.00025	0.00026	0.00027	0.00026	0.00027
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.029	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000011	0.000011	0.000012	0.000011	0.000010	0.0000085	0.0000079	0.0000077	0.0000079	0.0000088	0.000010	0.000010	0.000012
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000066	0.0000066	0.0000066	0.0000065	0.0000065	0.0000065	0.0000068	0.0000070	0.0000071	0.0000070	0.0000070	0.0000070	0.0000069	0.0000077
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000084	0.000083	0.000082	0.000080	0.000075	0.000070	0.000070	0.000073	0.000077	0.000081	0.000083	0.000084	0.000079	0.00008
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00046	0.00040	0.00035	0.00034	0.00035	0.00036	0.00037	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.057	0.056	0.056	0.055	0.053	0.049	0.047	0.048	0.050	0.053	0.056	0.057	0.053	0.059
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00049	0.00048	0.00048	0.00048	0.00046	0.00042	0.00040	0.00041	0.00043	0.00046	0.00048	0.00049	0.00046	0.00051
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0040	0.0043	0.0046	0.0049	0.0049	0.0041	0.0034	0.0031	0.0029	0.0030	0.0033	0.0037	0.0038	0.0049
Nitrate (as N)	3	CCME	0.024	0.035	0.077	0.076	0.076	0.078	0.081	0.077	0.072	0.071	0.072	0.074	0.077	0.078	0.076	0.084
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0015	0.0016	0.0016	0.0017	0.0017	0.0014	0.0012	0.0011	0.0012	0.0012	0.0013	0.0014	0.0014	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-13: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.1	48	47	46	44	35	30	36	44	48	48	50	50	44	56
Chloride	120	CCME	0.75	0.92	1.8	1.8	1.8	1.7	1.5	1.5	1.6	1.8	1.9	1.9	1.9	1.9	1.7	2.0
Aluminum	0.8	FEQG	0.27	0.40	0.30	0.31	0.32	0.32	0.37	0.39	0.37	0.35	0.33	0.30	0.29	0.29	0.32	0.39
Antimony	0.02	iPWQO	0.00011	0.00022	0.0016	0.0016	0.0015	0.0014	0.0011	0.0010	0.0012	0.0014	0.0016	0.0016	0.0016	0.0017	0.0014	0.0018
Arsenic	0.005	iPWQO	0.0020	0.0029	0.0027	0.0027	0.0028	0.0027	0.0025	0.0023	0.0024	0.0026	0.0028	0.0028	0.0027	0.0026	0.0027	0.0029
Beryllium	0.011	PWQO	0.000015	0.000020	0.000014	0.000014	0.000014	0.000015	0.000016	0.000017	0.000018	0.000018	0.000018	0.000017	0.000015	0.000014	0.000015	0.000018
Boron	1.5	CCME	0.0052	0.0083	0.0075	0.0074	0.0073	0.0071	0.0068	0.0075	0.0083	0.0085	0.0082	0.0078	0.0077	0.0076	0.0075	0.0086
Cadmium	0.000078	CCME	0.0000057	0.0000090	0.000012	0.000013	0.000014	0.000013	0.000012	0.000011	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000011	0.000014
Calcium	-	-	19	27	25	25	25	24	20	18	18	20	22	25	26	25	24	27
Chromium	0.0089	iPWQO [2]	0.00075	0.00088	0.00081	0.00082	0.00083	0.00082	0.00087	0.00087	0.00083	0.00082	0.00083	0.00082	0.00081	0.00081	0.00082	0.00087
Cobalt	0.0009	iPWQO	0.00022	0.00029	0.0015	0.0014	0.0014	0.0014	0.0011	0.0010	0.0012	0.0014	0.0015	0.0015	0.0015	0.0015	0.0014	0.0018
Copper	0.005	iPWQO	0.0012	0.0015	0.0014	0.0014	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0013	0.0014	0.0015
Iron	0.8	FEQG	0.66	0.83	0.66	0.67	0.67	0.73	0.75	0.71	0.69	0.69	0.70	0.69	0.67	0.65	0.68	0.75
Lead	0.016	FEQG	0.00018	0.00022	0.00034	0.00038	0.00042	0.00041	0.00033	0.00026	0.00025	0.00026	0.00027	0.00027	0.00027	0.00029	0.00029	0.00042
Magnesium	-	-	4.7	6.3	5.3	5.3	5.3	5.2	4.7	4.2	4.2	4.7	5.2	5.6	5.5	5.4	5.0	5.6
Manganese	-	-	0.039	0.074	0.041	0.041	0.041	0.049	0.051	0.046	0.049	0.055	0.057	0.051	0.045	0.042	0.047	0.056
Mercury	0.000026	CCME	0.0000015	0.0000055	0.0000027	0.0000027	0.0000027	0.0000024	0.0000034	0.0000047	0.0000051	0.0000049	0.0000043	0.0000036	0.0000030	0.0000028	0.0000034	0.0000051
Molybdenum	31	SEQG	0.00032	0.00047	0.0017	0.0017	0.0016	0.0016	0.0013	0.0011	0.0013	0.0015	0.0017	0.0017	0.0018	0.0018	0.0016	0.0020
Nickel	0.025	CCME	0.00089	0.0011	0.00097	0.00099	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010	0.00098	0.00096	0.0010	0.0011
Phosphorus	0.03	iPWQO	0.033	0.044	0.054	0.054	0.053	0.052	0.049	0.046	0.049	0.054	0.057	0.057	0.056	0.055	0.053	0.061
Potassium	-	-	1.5	1.8	2.7	2.7	2.6	2.6	2.3	2.2	2.3	2.5	2.6	2.7	2.8	2.8	2.5	2.9
Selenium	0.002	BC WQG	0.00011	0.00014	0.00023	0.00022	0.00022	0.00022	0.00021	0.00021	0.00022	0.00024	0.00024	0.00024	0.00023	0.00023	0.00022	0.00025
Silver	0.00025	CCME	0.000019	0.000025	0.000024	0.000024	0.000024	0.000023	0.000019	0.000015	0.000014	0.000015	0.000018	0.000021	0.000023	0.000024	0.000022	0.000025
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000059	0.0000060	0.0000060	0.0000059	0.0000057	0.0000055	0.0000057	0.0000059	0.0000060	0.0000060	0.0000059	0.0000059	0.0000059	0.0000061
Tungsten	0.03	iPWQO	0.000051	0.00011	0.00033	0.00032	0.00032	0.00030	0.00025	0.00022	0.00025	0.00030	0.00033	0.00034	0.000342	0.00034	0.00030	0.00038
Uranium	0.015	CCME	0.00044	0.00051	0.00055	0.00055	0.00054	0.00052	0.00045	0.00040	0.00043	0.00049	0.00054	0.00057	0.00056	0.00055	0.00052	0.00058
Vanadium	0.12	FEQG	0.0012	0.0016	0.0013	0.0013	0.0014	0.0013	0.0015	0.0016	0.0015	0.0015	0.0015	0.0014	0.0013	0.0013	0.0014	0.0016
Zinc	0.03	CCME	0.0017	0.0028	0.0025	0.0027	0.0029	0.0031	0.0030	0.0027	0.0025	0.0024	0.0023	0.0023	0.0022	0.0023	0.0025	0.0031
Zirconium	0.004	iPWQO	0.00061	0.00082	0.00076	0.00077	0.00077	0.00072	0.00074	0.00081	0.00080	0.00077	0.00076	0.00077	0.00077	0.00076	0.00079	0.00084
Ammonia, Total (as N)	1.8	CCME	0.043	0.047	1.3	1.3	1.3	1.2	0.92	0.80	1.0	1.2	1.4	1.4	1.4	1.4	1.3	1.7
Ammonia, Unionized (as N)	0.019	CCME	0.00037	0.00041	0.012	0.011	0.011	0.010	0.0079	0.0069	0.0086	0.011	0.012	0.012	0.012	0.012	0.011	0.015
Nitrite (as N)	0.06	CCME	0.0035	0.010	0.112	0.11	0.10	0.099	0.076	0.066	0.081	0.10	0.11	0.11	0.12	0.12	0.10	0.13
Nitrate (as N)	3	CCME	0.059	0.15	0.21	0.21	0.20	0.21	0.22	0.21	0.21	0.23	0.23	0.22	0.218	0.22	0.22	0.26
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0030	0.0072	0.0071	0.0069	0.0064	0.0050	0.0048	0.0058	0.0067	0.0071	0.0071	0.0073	0.0075	0.0067	0.0082

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-14: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	128	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloride	120	CCME	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Aluminum	0.26	FEQG	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Antimony	0.02	iPWQO	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Arsenic	0.005	iPWQO	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.004	0.0043	0.0043	0.0043	0.0043	0.0043	0.004
Beryllium	0.011	PWQO	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000057	CCME	0.0000089	0.0000089	0.0000095	0.0000098	0.0000092	0.0000089	0.0000089	0.0000089	0.0000090	0.0000089	0.0000089	0.0000089	0.0000090	0.0000091	0.0000090	0.000010
Calcium	-	-	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Chromium	0.0089	iPWQO [2]	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Cobalt	0.0009	iPWQO	0.000445	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Copper	0.005	iPWQO	0.00090	0.00090	0.00091	0.00092	0.00091	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00092
Iron	0.71	FEQG	0.72	0.72	0.72	0.73	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.73
Lead	0.019	FEQG	0.00012	0.00012	0.00014	0.00015	0.00013	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012	0.00015
Magnesium	-	-	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Manganese	-	-	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
Mercury	0.000026	CCME	0.0000046	0.0000046	0.0000046	0.0000047	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000046	0.0000047
Molybdenum	31	SEQG	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021
Nickel	0.025	CCME	0.00090	0.00090	0.00091	0.00091	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00090	0.00091
Phosphorus	0.03	iPWQO	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Potassium	-	-	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Selenium	0.002	BC WQG	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
Silver	0.00025	CCME	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025
Thallium	0.008	CCME	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060	0.0000060
Tungsten	0.03	iPWQO	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030	0.000030
Uranium	0.015	CCME	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077	0.000077
Vanadium	0.12	FEQG	0.00080	0.00080	0.00081	0.00081	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00080	0.00081
Zinc	0.03	CCME	0.0030	0.0030	0.0031	0.0031	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031
Zirconium	0.004	iPWQO	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Ammonia, Total (as N)	1.8	CCME	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.05	0.05	0.050	0.050	0.050	0.050	0.050
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043
Nitrite (as N)	0.06	CCME	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Nitrate (as N)	3	CCME	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
Cyanide, WAD	0.005	PWQO [3]	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-15: Base Case Operations Water Quality, Unnamed Waterbodies and Watercourses (UN-L6)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloride	120	CCME	4.7	5.2	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.5	4.5
Aluminum	0.9	FEQG	0.092	0.09	0.19	0.20	0.20	0.21	0.20	0.19	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.21
Antimony	0.02	iPWQO	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Arsenic	0.005	iPWQO	0.0033	0.0034	0.0041	0.0041	0.0042	0.0042	0.0042	0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0041	0.0041	0.0042
Beryllium	0.011	PWQO	0.000011	0.000011	0.000013	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000012	0.000012	0.000012	0.000013	0.00001	0.000013	0.000013
Boron	1.5	CCME	0.0056	0.0059	0.0054	0.0054	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0054	0.0054	0.0054	0.0055	0.0055
Cadmium	0.000073	CCME	0.0000048	0.000005	0.000017	0.000018	0.000019	0.000019	0.000018	0.000016	0.000015	0.000015	0.000015	0.000015	0.000016	0.000017	0.000017	0.000019
Calcium	-	-	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Chromium	0.0089	iPWQO [2]	0.00054	0.00056	0.00071	0.00071	0.00071	0.00071	0.00071	0.00071	0.00070	0.00069	0.00069	0.00070	0.00070	0.00071	0.00070	0.00073
Cobalt	0.0009	iPWQO	0.00017	0.00018	0.00025	0.00025	0.00025	0.00025	0.00026	0.00026	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00026
Copper	0.005	iPWQO	0.00065	0.00067	0.00092	0.00094	0.0010	0.0010	0.00094	0.00091	0.00089	0.00088	0.00088	0.00089	0.00090	0.00091	0.00091	0.0010
Iron	0.8	FEQG	0.36	0.38	0.49	0.49	0.49	0.49	0.50	0.49	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.51
Lead	0.016	FEQG	0.000095	0.00010	0.00050	0.00053	0.00056	0.00057	0.00052	0.00046	0.00042	0.00042	0.00042	0.00044	0.00045	0.00048	0.00048	0.00057
Magnesium	-	-	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2
Manganese	-	-	0.048	0.057	0.049	0.050	0.050	0.051	0.052	0.053	0.052	0.051	0.050	0.050	0.049	0.049	0.050	0.053
Mercury	0.000026	CCME	0.0000029	0.0000030	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034	0.0000034
Molybdenum	31	SEQG	0.00019	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020
Nickel	0.025	CCME	0.00059	0.00061	0.00082	0.00083	0.00084	0.00084	0.00083	0.00081	0.00079	0.00079	0.00079	0.00079	0.00080	0.00081	0.00081	0.00085
Phosphorus	0.02	iPWQO	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Potassium	-	-	1.3	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Selenium	0.002	BC WQG	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013
Silver	0.00025	CCME	0.000025	0.000025	0.000027	0.000028	0.000028	0.000028	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000028
Thallium	0.008	CCME	0.0000048	0.0000050	0.0000056	0.0000056	0.0000056	0.0000056	0.0000055	0.0000055	0.0000054	0.0000054	0.0000054	0.0000055	0.0000055	0.0000056	0.0000055	0.0000056
Tungsten	0.03	iPWQO	0.000026	0.000028	0.000032	0.000032	0.000033	0.000033	0.000032	0.000031	0.000031	0.000031	0.000031	0.000031	0.000032	0.000032	0.000032	0.000033
Uranium	0.015	CCME	0.000065	0.000068	0.000068	0.000068	0.000068	0.000068	0.000069	0.000069	0.000069	0.000069	0.000068	0.000068	0.000068	0.000068	0.000068	0.000069
Vanadium	0.12	FEQG	0.00050	0.00051	0.00065	0.00066	0.00066	0.00066	0.00066	0.00065	0.00064	0.00063	0.00063	0.00064	0.00064	0.00065	0.00065	0.00067
Zinc	0.03	CCME	0.0019	0.0020	0.0040	0.0042	0.0043	0.0043	0.0041	0.0038	0.0037	0.0036	0.0037	0.0037	0.0038	0.0039	0.0039	0.0043
Zirconium	0.004	iPWQO	0.0010	0.0010	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Ammonia, Total (as N)	1.8	CCME	0.12	0.16	0.10	0.10	0.11	0.11	0.11	0.11	0.111	0.11	0.11	0.10	0.099	0.098	0.11	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.0010	0.0014	0.00086	0.00088	0.00090	0.00093	0.00096	0.00097	0.00096	0.00093	0.00090	0.00087	0.00085	0.00085	0.00090	0.00097
Nitrite (as N)	0.06	CCME	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Nitrate (as N)	3	CCME	0.029	0.031	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.029	0.029
Cyanide, WAD	0.005	PWQO [3]	0.0041	0.0043	0.0042	0.0042	0.0042	0.0042	0.0043	0.0043	0.0043	0.0043	0.0042	0.0042	0.0042	0.0042	0.0042	0.0043

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-16: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-3)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloride	120	CCME	5.1	5.4	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.8
Aluminum	0.9	FEQG	0.075	0.076	0.17	0.18	0.18	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.19
Antimony	0.02	iPWQO	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045
Arsenic	0.005	iPWQO	0.0031	0.0032	0.0039	0.0039	0.0039	0.0040	0.0040	0.0039	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0039	0.0040
Beryllium	0.011	PWQO	0.000011	0.000011	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012	0.000012
Boron	1.5	CCME	0.0057	0.0060	0.0055	0.0055	0.0055	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0055	0.0055	0.0055	0.0056	0.0056
Cadmium	0.000073	CCME	0.0000041	0.0000043	0.000016	0.000016	0.000017	0.000017	0.000017	0.000015	0.000014	0.000014	0.000014	0.000014	0.000015	0.000015	0.000015	0.000018
Calcium	-	-	12	13	12	12	13	13	13	13	13	13	13	13	12	12	13	13
Chromium	0.0089	iPWQO [2]	0.00045	0.00046	0.00062	0.00063	0.00063	0.00063	0.00063	0.00062	0.00062	0.00061	0.00061	0.00062	0.00062	0.00062	0.00062	0.00065
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00020	0.00020	0.00021	0.00021	0.00021	0.00021	0.00022
Copper	0.005	iPWQO	0.00060	0.00062	0.00087	0.00088	0.00089	0.00090	0.00089	0.00086	0.00084	0.00083	0.00084	0.00084	0.00085	0.00086	0.00086	0.00091
Iron	0.8	FEQG	0.29	0.31	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.45
Lead	0.016	FEQG	0.000089	0.00009	0.00047	0.00049	0.00051	0.00052	0.00050	0.00045	0.00042	0.00041	0.00041	0.00042	0.00044	0.00045	0.00045	0.00054
Magnesium	-	-	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Manganese	-	-	0.045	0.056	0.047	0.048	0.048	0.049	0.050	0.051	0.050	0.049	0.048	0.048	0.047	0.047	0.048	0.051
Mercury	0.000026	CCME	0.0000026	0.0000027	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000031	0.0000032
Molybdenum	31	SEQG	0.00019	0.00019	0.00019	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00019	0.00019	0.00019	0.00020	0.00020
Nickel	0.025	CCME	0.00053	0.00055	0.00076	0.00077	0.00077	0.00078	0.00078	0.00076	0.00074	0.00073	0.00073	0.00074	0.00074	0.00075	0.00076	0.00080
Phosphorus	0.03	iPWQO	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022
Potassium	-	-	1.4	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Selenium	0.002	BC WQG	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013
Silver	0.00025	CCME	0.000025	0.000025	0.000027	0.000027	0.000027	0.000028	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000027	0.000028
Thallium	0.008	CCME	0.0000046	0.0000048	0.0000054	0.0000054	0.0000054	0.0000054	0.0000053	0.0000052	0.0000052	0.0000052	0.0000052	0.0000053	0.0000053	0.0000053	0.0000053	0.0000054
Tungsten	0.03	iPWQO	0.000025	0.000027	0.000031	0.000031	0.000031	0.000031	0.000031	0.000030	0.0000297	0.000030	0.000030	0.000030	0.000031	0.000031	0.000031	0.000032
Uranium	0.015	CCME	0.000063	0.000065	0.000066	0.000066	0.000066	0.000067	0.000067	0.000067	0.000067	0.000067	0.000066	0.000066	0.000066	0.000066	0.000066	0.000067
Vanadium	0.12	FEQG	0.00044	0.00045	0.00060	0.00060	0.00060	0.00061	0.00060	0.00059	0.00058	0.00058	0.00058	0.00059	0.00059	0.00059	0.00059	0.00062
Zinc	0.03	CCME	0.0017	0.0017	0.0037	0.0038	0.0039	0.0040	0.0039	0.0037	0.0035	0.0034	0.0034	0.0035	0.0036	0.0037	0.0037	0.0041
Zirconium	0.004	iPWQO	0.00100	0.0010	0.0011	0.0012	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Ammonia, Total (as N)	1.8	CCME	0.132	0.18	0.11	0.11	0.11	0.12	0.12	0.13	0.12	0.12	0.12	0.114	0.11	0.11	0.12	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.0011	0.0015	0.00095	0.00097	0.00099	0.0010	0.0011	0.0011	0.0011	0.0010	0.0010	0.00098	0.00095	0.00094	0.00099	0.0011
Nitrite (as N)	0.06	CCME	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Nitrate (as N)	3	CCME	0.028	0.030	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.028	0.028	0.029
Cyanide, WAD	0.005	PWQO [3]	0.0039	0.0042	0.0041	0.0041	0.0041	0.0041	0.0041	0.0042	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0042

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-17: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-4)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.9	2.0	16	17	17	17	16	15	15	15	15	15	15	15	15	17
Chloride	120	CCME	21	24	20	20	20	21	21	21	21	21	21	21	21	20	21	21
Aluminum	0.56	FEQG	0.073	0.08	0.083	0.084	0.084	0.084	0.082	0.081	0.081	0.081	0.081	0.082	0.082	0.083	0.083	0.085
Antimony	0.02	iPWQO	0.00026	0.00029	0.00069	0.00071	0.00073	0.00073	0.00070	0.00067	0.00066	0.00067	0.00067	0.00066	0.00066	0.00067	0.00067	0.00073
Arsenic	0.005	iPWQO	0.0023	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.002	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
Beryllium	0.011	PWQO	0.000010	0.000010	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.0000099	0.000010
Boron	1.5	CCME	0.0050	0.0050	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
Cadmium	0.00007	CCME	0.0000037	0.0000039	0.0000055	0.0000056	0.0000057	0.0000057	0.0000056	0.0000054	0.0000054	0.0000054	0.0000054	0.0000054	0.0000054	0.0000054	0.0000054	0.0000057
Calcium	-	-	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Chromium	0.0089	iPWQO [2]	0.00058	0.00062	0.00059	0.00059	0.00059	0.00058	0.00058	0.00058	0.00058	0.00058	0.00058	0.00058	0.00058	0.00059	0.00058	0.00059
Cobalt	0.0009	iPWQO	0.00029	0.00029	0.00068	0.00070	0.00071	0.00072	0.00068	0.00065	0.00065	0.00065	0.00065	0.00065	0.00065	0.00066	0.00065	0.00072
Copper	0.005	iPWQO	0.00057	0.00057	0.00062	0.00062	0.00062	0.00062	0.00062	0.00061	0.00061	0.00061	0.00061	0.00061	0.00062	0.00062	0.00061	0.00062
Iron	0.79	FEQG	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
Lead	0.015	FEQG	0.000052	0.000052	0.000106	0.00011	0.00011	0.00011	0.00011	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Magnesium	-	-	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Manganese	-	-	0.045	0.045	0.045	0.045	0.045	0.045	0.044	0.044	0.044	0.044	0.044	0.045	0.045	0.045	0.045	0.045
Mercury	0.000026	CCME	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021	0.0000021
Molybdenum	31	SEQG	0.00037	0.00037	0.00076	0.00078	0.00080	0.00081	0.00077	0.00074	0.00074	0.00074	0.00074	0.00074	0.00074	0.00075	0.00074	0.00081
Nickel	0.025	CCME	0.00055	0.00058	0.00057	0.00057	0.00057	0.00057	0.00057	0.00056	0.00056	0.00056	0.00056	0.00057	0.00057	0.00057	0.00057	0.00058
Phosphorus	0.03	iPWQO	0.025	0.026	0.031	0.031	0.032	0.032	0.031	0.031	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.032
Potassium	-	-	1.0	1.0	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
Selenium	0.002	BC WQG	0.000064	0.000068	0.000099	0.00010	0.00010	0.00010	0.000099	0.000096	0.000095	0.000096	0.000096	0.000096	0.000096	0.000097	0.000096	0.00010
Silver	0.00025	CCME	0.000013	0.000015	0.000013	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000014	0.000013	0.000014	0.000014
Thallium	0.008	CCME	0.0000040	0.0000042	0.0000042	0.0000042	0.0000042	0.0000042	0.0000041	0.0000041	0.0000041	0.0000041	0.0000041	0.0000041	0.0000042	0.0000042	0.0000041	0.0000042
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00013	0.00013	0.00014	0.00014	0.00013	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00014
Uranium	0.015	CCME	0.00015	0.00015	0.00019	0.00019	0.00020	0.00020	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00020
Vanadium	0.12	FEQG	0.00060	0.00063	0.00062	0.00063	0.00063	0.00062	0.00062	0.00061	0.00061	0.00062	0.00062	0.00062	0.00062	0.00062	0.00062	0.00063
Zinc	0.03	CCME	0.0015	0.0015	0.0017	0.0017	0.0018	0.0018	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0018
Zirconium	0.004	iPWQO	0.00075	0.00078	0.00076	0.00076	0.00076	0.00076	0.00076	0.00077	0.00077	0.00076	0.00076	0.00076	0.00076	0.00076	0.00076	0.00077
Ammonia, Total (as N)	1.8	CCME	0.041	0.042	0.34	0.36	0.37	0.37	0.35	0.33	0.32	0.32	0.33	0.32	0.32	0.33	0.32	0.37
Ammonia, Unionized (as N)	0.019	CCME	0.00035	0.00036	0.0029	0.0031	0.0032	0.0032	0.0030	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0032
Nitrite (as N)	0.06	CCME	0.00767	0.0086	0.032	0.033	0.034	0.035	0.033	0.031	0.030	0.031	0.031	0.030	0.030	0.031	0.031	0.035
Nitrate (as N)	3	CCME	0.0914	0.10	0.13	0.13	0.13	0.13	0.13	0.13	0.127	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0032	0.0041	0.0041	0.0042	0.0042	0.0041	0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0042

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-18: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	0.64	0.64	7.3	7.4	8	7	6.1	6.2	6.2	6.0	6.4	6.7	7.2	7.3	6.2	8
Chloride	120	CCME	0.25	0.25	0.39	0.39	0.39	0.38	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.39	0.36	0.39
Aluminum	1	FEQG	0.035	0.040	0.059	0.060	0.060	0.059	0.058	0.059	0.060	0.060	0.059	0.057	0.057	0.058	0.058	0.060
Antimony	0.02	iPWQO	0.000050	0.000050	0.00026	0.00026	0.00027	0.00025	0.00022	0.00022	0.00022	0.00022	0.00023	0.00024	0.00025	0.00026	0.00022	0.00027
Arsenic	0.005	iPWQO	0.0020	0.0020	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.002	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
Beryllium	0.011	PWQO	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000011	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000011
Boron	1.5	CCME	0.0050	0.0050	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
Cadmium	0.00007	CCME	0.0000034	0.0000037	0.0000083	0.0000085	0.0000087	0.0000085	0.0000080	0.0000081	0.0000084	0.0000085	0.0000083	0.0000081	0.0000080	0.0000081	0.0000081	0.0000086
Calcium	-	-	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Chromium	0.0089	iPWQO [2]	0.00027	0.00028	0.00029	0.00030	0.00030	0.00029	0.00029	0.00030	0.00030	0.00030	0.00029	0.00029	0.00029	0.00029	0.00029	0.00030
Cobalt	0.0009	iPWQO	0.000072	0.00008	0.00025	0.00026	0.00026	0.00025	0.00022	0.00023	0.00022	0.00022	0.00023	0.00024	0.00025	0.00026	0.00023	0.00026
Copper	0.005	iPWQO	0.00039	0.00042	0.00041	0.00041	0.00041	0.00041	0.00041	0.00042	0.00041	0.00041	0.00041	0.00041	0.00041	0.00041	0.00041	0.00042
Iron	0.8	FEQG	0.22	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Lead	0.016	FEQG	0.000047	0.000053	0.00022	0.00023	0.00023	0.00022	0.00021	0.00021	0.00022	0.00022	0.00022	0.00021	0.00021	0.00021	0.00021	0.00023
Magnesium	-	-	2.5	2.6	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Manganese	-	-	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.0129	0.013	0.013	0.013
Mercury	0.000026	CCME	0.00000078	0.00000084	0.00000073	0.00000072	0.00000072	0.00000072	0.00000073	0.00000074	0.00000073	0.00000072	0.00000072	0.00000073	0.00000074	0.00000074	0.00000072	0.00000074
Molybdenum	31	SEQG	0.00013	0.00013	0.00031	0.00031	0.00032	0.00030	0.00028	0.00028	0.00028	0.00027	0.00028	0.00029	0.00031	0.00031	0.00028	0.00032
Nickel	0.025	CCME	0.00035	0.00037	0.00036	0.00036	0.00036	0.00036	0.00036	0.00037	0.00037	0.00036	0.00036	0.00036	0.00036	0.00036	0.00036	0.00037
Phosphorus	0.03	iPWQO	0.023	0.024	0.021	0.021	0.021	0.021	0.021	0.022	0.021	0.021	0.021	0.021	0.022	0.022	0.021	0.022
Potassium	-	-	0.83	0.86	0.92	0.92	0.9	0.9	0.90	0.91	0.90	0.90	0.90	0.91	0.93	0.93	0.90	0.9
Selenium	0.002	BC WQG	0.000083	0.000085	0.00010	0.00010	0.00010	0.00010	0.000093	0.000094	0.000093	0.000093	0.000093	0.000094	0.000096	0.000096	0.000093	0.00010
Silver	0.00025	CCME	0.0000050	0.0000050	0.0000063	0.0000064	0.0000064	0.0000064	0.0000062	0.0000062	0.0000063	0.0000063	0.0000063	0.0000063	0.0000063	0.0000063	0.0000063	0.0000064
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053	0.0000053
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000089	0.00009	0.00009	0.00009	0.000083	0.000083	0.000083	0.000082	0.000084	0.000086	0.000089	0.000090	0.000083	0.00009
Uranium	0.015	CCME	0.000070	0.000078	0.000070	0.000069	0.000069	0.000068	0.000068	0.000070	0.000067	0.000065	0.000067	0.000069	0.000071	0.000071	0.000068	0.000071
Vanadium	0.12	FEQG	0.00039	0.00042	0.00035	0.00034	0.00034	0.00034	0.00035	0.00036	0.00035	0.00034	0.00034	0.00035	0.00035	0.00035	0.00034	0.00036
Zinc	0.03	CCME	0.0015	0.0015	0.0024	0.0024	0.0025	0.0024	0.0023	0.0023	0.0024	0.0024	0.0024	0.0024	0.0023	0.0024	0.0024	0.0024
Zirconium	0.004	iPWQO	0.00014	0.00015	0.00019	0.00019	0.00019	0.00019	0.00018	0.00019	0.00019	0.00019	0.00019	0.00018	0.00018	0.00019	0.00019	0.00019
Ammonia, Total (as N)	1.8	CCME	0.017	0.017	0.16	0.16	0.17	0.16	0.14	0.14	0.14	0.13	0.14	0.15	0.16	0.16	0.14	0.17
Ammonia, Unionized (as N)	0.019	CCME	0.00014	0.00015	0.0014	0.0014	0.0015	0.0014	0.0012	0.0012	0.00118	0.0011	0.0012	0.0013	0.0014	0.0014	0.0012	0.0015
Nitrite (as N)	0.06	CCME	0.00050	0.00050	0.012	0.012	0.013	0.012	0.010	0.0101	0.0101	0.0098	0.0105	0.011	0.012	0.012	0.010	0.013
Nitrate (as N)	3	CCME	0.0088	0.0093	0.027	0.028	0.028	0.027	0.024	0.024	0.024	0.024	0.025	0.026	0.027	0.028	0.024	0.028
Cyanide, WAD	0.005	PWQO [3]	0.00058	0.00060	0.0011	0.0011	0.0011	0.0011	0.0010	0.00099	0.00098	0.00096	0.00099	0.0010	0.0011	0.0011	0.0010	0.0011

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-19: Base Case Operations Water Quality, Small Unnamed Waterbodies and Watercourses (UN-6)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	128	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloride	120	CCME	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
Aluminum	0.25	FEQG	0.91	0.91	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.91	0.92
Antimony	0.02	iPWQO	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020
Arsenic	0.005	iPWQO	0.0039	0.0039	0.0040	0.0040	0.0040	0.0040	0.0040	0.0039	0.0039	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
Beryllium	0.011	PWQO	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000056	CCME	0.000015	0.000015	0.000015	0.000016	0.000016	0.000016	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000016
Calcium	-	-	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Chromium	0.0089	iPWQO [2]	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
Cobalt	0.0009	iPWQO	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060
Copper	0.005	iPWQO	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Iron	0.69	FEQG	1.04	1.04	1.04	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.05
Lead	0.019	FEQG	0.00026	0.00026	0.00028	0.00029	0.00029	0.00028	0.00027	0.00026	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00029
Magnesium	-	-	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Manganese	-	-	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034
Mercury	0.000026	CCME	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078
Molybdenum	31	SEQG	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
Nickel	0.025	CCME	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Phosphorus	0.03	iPWQO	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Potassium	-	-	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Selenium	0.002	BC WQG	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
Silver	0.00025	CCME	0.0000050	0.0000050	0.0000051	0.0000052	0.0000052	0.0000052	0.0000051	0.0000050	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000052
Thallium	0.008	CCME	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010
Tungsten	0.03	iPWQO	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067	0.000067
Uranium	0.015	CCME	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035
Vanadium	0.12	FEQG	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Zinc	0.03	CCME	0.0031	0.0031	0.0032	0.0032	0.0033	0.0032	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0032	0.0031	0.0033
Zirconium	0.004	iPWQO	0.00088	0.00088	0.00089	0.00089	0.00090	0.00089	0.00089	0.00088	0.00089	0.00089	0.00089	0.00089	0.00089	0.00089	0.00089	0.00090
Ammonia, Total (as N)	1.8	CCME	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Ammonia, Unionized (as N)	0.019	CCME	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022
Nitrite (as N)	0.06	CCME	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
Nitrate (as N)	3	CCME	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Cyanide, WAD	0.005	PWQO [3]	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-20: Base Case Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.0	6.1	6.1	6.1	5.1	5.1	4.0	5.3	5.2	5.1	6.0	6.0	5.7	6.1
Chloride	120	CCME	2.7	3.2	2.7	3.2	3.2	3.3	2.6	2.6	2.7	2.5	2.5	2.5	2.7	2.7	2.7	3.3
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.059	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00035	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0077	0.012	0.0095	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000094	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0080	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0053	0.0057	0.0080	0.0080	0.0050	0.0080
Cadmium	0.000067	CCME	0.0000068	0.000008	0.0000068	0.0000071	0.0000071	0.0000071	0.0000025	0.0000025	0.0000036	0.0000046	0.0000031	0.000010	0.0000068	0.0000068	0.0000068	0.00001
Calcium	-	-	11	12	11	12	12	12	10	10	10	8.4	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00047	0.00029	0.00037	0.0011	0.00043	0.00043	0.00049	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000090	0.000090	0.000091	0.00014	0.00014	0.00014	0.000091	0.00011	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.000091	0.000045	0.000045	0.000045	0.00012	0.00012	0.000098	0.000095	0.00021	0.00015	0.000091	0.000091	0.000093	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.5	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0079	0.0078	0.0095	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000082	0.00000065	0.00000065	0.00000066	0.0000013	0.0000013	0.00000078	0.00000079	0.00000082	0.00000082	0.00000082	0.00000082	0.00000082	0.0000013
Molybdenum	31	SEQG	0.00021	0.00029	0.00021	0.00025	0.00025	0.00025	0.00018	0.00018	0.00022	0.00017	0.00022	0.00033	0.00021	0.00021	0.00021	0.00033
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0012	0.00094	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.021	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1	1.1	1.1	1.1	1.1	1.1	0.99	0.99	0.98	0.84	0.99	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00012	0.00012	0.00010	0.00010	0.00010	0.00010	0.00010	0.00012	0.000090	0.00011	0.0001	0.00012	0.00012	0.00010	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000018	0.000018	0.000018	0.0000050	0.0000050	0.0000050	0.0000050	0.000012	0.000027	0.000015	0.000015	0.000015	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000038	0.0000050	0.0000050	0.0000050	0.0000050	0.0000042	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000047	0.000047	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00012	0.000093	0.000092	0.00010	0.00012	0.00011	0.00013	0.00013	0.00013	0.00012	0.00013
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00041	0.00062	0.00062	0.00078	0.00060	0.00073	0.00098	0.00056	0.00056	0.00058	0.00098
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0013	0.0020	0.0015	0.0015	0.0015	0.0020
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00079	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00052	0.00070	0.00070	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.034	0.046	0.046	0.046	0.014	0.014	0.021	0.022	0.039	0.030	0.034	0.034	0.034	0.046
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00029	0.00040	0.00040	0.00039	0.00012	0.00012	0.00018	0.00019	0.00034	0.00026	0.00029	0.00029	0.00029	0.00040
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0077	0.0085	0.0085	0.0085	0.00051	0.00050	0.00050	0.00050	0.0053	0.0058	0.0077	0.0077	0.0068	0.0085
Nitrate (as N)	3	CCME	0.034	0.13	0.034	0.13	0.13	0.13	0.0073	0.0073	0.012	0.013	0.015	0.042	0.034	0.034	0.034	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0027	0.0027	0.0027	0.0027	0.00050	0.00050	0.0017	0.0017	0.0020	0.0020	0.0027	0.0027	0.0024	0.0027

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-21: Base Case Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.063	0.063	0.064	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.11	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000095	0.000031	0.000012	0.000012	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0079	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000069	CCME	0.0000072	0.000009	0.0000079	0.0000075	0.0000074	0.0000083	0.0000035	0.0000034	0.0000043	0.0000054	0.0000039	0.000010	0.0000075	0.0000076	0.0000074	0.00001
Calcium	-	-	11	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00043	0.00043	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.00005	0.000053	0.000053	0.00012	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00009	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.012	0.015	0.0091	0.011	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0087	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000089	0.00000074	0.00000074	0.00000081	0.0000014	0.0000014	0.00000089	0.00000089	0.00000091	0.00000091	0.00000088	0.00000087	0.00000089	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00022	0.00025	0.00025	0.00027	0.00019	0.00019	0.00023	0.00019	0.00023	0.00034	0.00021	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00093	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.042	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.87	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.000094	0.00011	0.0001	0.00012	0.00012	0.00011	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000019	0.0000058	0.0000058	0.0000065	0.0000063	0.000012	0.000026	0.000015	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000049	0.000050	0.000050	0.000053	0.000052	0.000051	0.000049	0.000051	0.000049	0.000049	0.000049	0.000050	0.000050	0.000053
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00080	0.00027	0.00027	0.00048	0.00047	0.00042	0.00053	0.00071	0.00071	0.00062	0.00080
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.037	0.048	0.047	0.046	0.016	0.016	0.023	0.024	0.040	0.032	0.035	0.035	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00031	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0081	0.0088	0.0088	0.0087	0.00094	0.00096	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.037	0.14	0.14	0.14	0.009	0.009	0.013	0.014	0.017	0.042	0.036	0.036	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0028	0.0028	0.0028	0.0028	0.00061	0.00062	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-22: Surface Water Quality Results, Base Case Long-term Equilibrium, Dixie Lake (DIX-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	0.85	0.85	1.0	1.0	0.93	0.93	1.0	1.0	1.0	1.0
Chloride	120	CCME	0.49	1.26	1.2	0.51	0.50	0.48	0.36	0.36	0.47	0.47	0.47	0.47	1.2	1.2	0.48	1.2
Aluminum	0.98	FEQG	0.13	0.19	0.13	0.10	0.10	0.09	0.17	0.18	0.14	0.14	0.10	0.10	0.12	0.13	0.13	0.18
Antimony	0.02	iPWQO	0.00042	0.00042	0.00040	0.00040	0.00040	0.00037	0.00021	0.00022	0.00040	0.00039	0.00022	0.00022	0.00039	0.00040	0.00039	0.00040
Arsenic	0.005	iPWQO	0.0020	0.0032	0.0018	0.0023	0.0023	0.0022	0.0018	0.0018	0.0031	0.0031	0.0020	0.0020	0.0019	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000024	0.000023	0.000012	0.000012	0.000012	0.000010	0.000010	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0059	0.0054	0.0055	0.0059	0.0059	0.0055	0.0055	0.0062	0.0062	0.0059	0.0062
Cadmium	0.000065	CCME	0.0000058	0.000021	0.000020	0.0000057	0.0000056	0.0000054	0.0000043	0.0000043	0.0000082	0.0000081	0.0000022	0.0000022	0.000019	0.000019	0.0000057	0.000020
Calcium	-	-	11	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00053	0.00070	0.00043	0.00060	0.00060	0.00058	0.00050	0.00051	0.00067	0.00067	0.00040	0.00039	0.00042	0.0004	0.00051	0.00067
Cobalt	0.0009	iPWQO	0.00015	0.00018	0.00014	0.00015	0.00015	0.00014	0.00012	0.00012	0.00017	0.00017	0.00012	0.00012	0.00014	0.00014	0.00014	0.00017
Copper	0.005	iPWQO	0.0010	0.0012	0.0011	0.0010	0.0010	0.00095	0.00094	0.0010	0.00091	0.00090	0.00074	0.00073	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.48	0.57	0.45	0.46	0.46	0.44	0.45	0.46	0.55	0.54	0.37	0.37	0.44	0.45	0.45	0.55
Lead	0.014	FEQG	0.00016	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00016	0.00019	0.00019	0.00011	0.00011	0.00016	0.00016	0.00015	0.0002
Magnesium	-	-	3.2	4.2	3.1	4.1	4.1	3.9	2.9	2.9	3.3	3.3	2.9	2.8	3.1	3.1	3.1	4.1
Manganese	-	-	0.020	0.046	0.020	0.043	0.043	0.041	0.018	0.018	0.044	0.044	0.016	0.016	0.019	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00023	0.00025	0.00023	0.00024	0.00024	0.00023	0.00017	0.00017	0.00024	0.00024	0.00021	0.00021	0.00023	0.00023	0.00023	0.00024
Nickel	0.025	CCME	0.00068	0.00086	0.00083	0.00065	0.00065	0.00062	0.00061	0.00063	0.00073	0.00073	0.00063	0.00063	0.00081	0.00082	0.00065	0.00083
Phosphorus	0.03	iPWQO	0.030	0.038	0.036	0.024	0.024	0.024	0.035	0.036	0.019	0.019	0.029	0.029	0.036	0.036	0.029	0.036
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	0.91	0.92	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00015	0.000062	0.00014	0.00014	0.00014	0.00010	0.00010	0.00011	0.00011	0.000078	0.000078	0.000062	0.000062	0.00010	0.00014
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000022	0.000021	0.000013	0.000014	0.000022	0.000022	0.000013	0.000013	0.000022	0.000022	0.000022	0.000023
Thallium	0.008	CCME	0.0000037	0.0000056	0.0000038	0.0000038	0.0000039	0.0000039	0.0000050	0.0000050	0.0000036	0.0000036	0.0000056	0.0000056	0.0000039	0.000004	0.0000039	0.000006
Tungsten	0.03	iPWQO	0.000022	0.000032	0.00002	0.00003	0.00003	0.00003	0.00003	0.00003	0.000016	0.00002	0.00003	0.00004	0.000018	0.00002	0.00003	0.00004
Uranium	0.015	CCME	0.000194	0.00023	0.00022	0.00019	0.00019	0.00018	0.00019	0.00019	0.00015	0.00015	0.00017	0.00017	0.00021	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00080	0.0009	0.00079	0.00072	0.00072	0.00069	0.00087	0.00089	0.00076	0.0008	0.0007	0.00068	0.00077	0.0008	0.00076	0.0009
Zinc	0.03	CCME	0.0015	0.0020	0.0011	0.0019	0.0019	0.0019	0.0015	0.0015	0.0019	0.0019	0.0013	0.0013	0.0011	0.001	0.0015	0.002
Zirconium	0.004	iPWQO	0.00093	0.0009	0.0009	0.00090	0.00089	0.00083	0.00055	0.00057	0.00088	0.00087	0.00056	0.00055	0.00086	0.0009	0.00087	0.0009
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.047	0.047	0.047	0.044	0.026	0.027	0.046	0.046	0.045	0.045	0.045	0.046	0.045	0.047
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00040	0.00040	0.00040	0.00038	0.00023	0.00023	0.00039	0.00039	0.00039	0.00038	0.00039	0.00040	0.00039	0.00040
Nitrite (as N)	0.06	CCME	0.014	0.0141	0.0132	0.0132	0.0130	0.0121	0.0064	0.0066	0.0130	0.0128	0.0065	0.0064	0.0126	0.0130	0.0127	0.0132
Nitrate (as N)	3	CCME	0.061	0.21	0.07	0.19	0.19	0.18	0.02	0.02	0.027	0.03	0.05	0.05	0.063	0.06	0.057	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0046	0.0047	0.0044	0.0045	0.0044	0.0041	0.0019	0.0019	0.0019	0.0043	0.0043	0.0042	0.0043	0.0044	0.0043	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-23: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.8	1.9	2.0	1.9	1.2	1.1	1.2	1.4	1.5	1.4	1.2	1.7	1.4	2.0
Chloride	120	CCME	0.5	1.2	1.4	0.7	0.7	0.8	0.56	0.50	0.57	0.64	0.71	0.70	1.2	1.4	0.7	1.4
Aluminum	0.8	FEQG	0.14	0.21	0.13	0.10	0.099	0.10	0.17	0.17	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.17
Antimony	0.02	iPWQO	0.00039	0.00042	0.00043	0.00044	0.00044	0.00040	0.00024	0.00024	0.00040	0.00040	0.00025	0.00025	0.00039	0.00042	0.00040	0.00044
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0018	0.0022	0.0022	0.0022	0.0018	0.0018	0.0031	0.0030	0.0020	0.0020	0.0019	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000011	0.000011	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0069	0.0067	0.0068	0.0066	0.0058	0.0057	0.0061	0.0063	0.0060	0.0060	0.0063	0.0068	0.0063	0.0069
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000020	0.0000060	0.0000060	0.0000058	0.0000046	0.0000045	0.0000082	0.0000081	0.0000027	0.0000027	0.000019	0.000019	0.0000060	0.000020
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00063	0.00063	0.00064	0.00055	0.00054	0.00069	0.00069	0.00045	0.00045	0.00043	0.00045	0.00055	0.00069
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00017	0.00018	0.00018	0.00017	0.00013	0.00012	0.00018	0.00018	0.00013	0.00013	0.00014	0.00016	0.00016	0.00018
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00093	0.00093	0.00080	0.00079	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.49	0.58	0.45	0.46	0.46	0.42	0.43	0.44	0.53	0.52	0.36	0.36	0.44	0.45	0.45	0.53
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00015	0.00019	0.00019	0.00011	0.00011	0.00016	0.00016	0.00015	0.00019
Magnesium	-	-	3.3	4.2	3.1	4.1	4.0	3.8	2.9	2.9	3.3	3.2	2.8	2.8	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.021	0.045	0.044	0.040	0.019	0.019	0.043	0.043	0.017	0.017	0.020	0.021	0.021	0.045
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000016	0.0000016	0.0000017	0.0000019	0.0000017	0.0000016	0.0000015	0.0000016	0.0000018	0.0000017	0.0000014	0.0000016	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00024	0.00026	0.00032	0.00034	0.00035	0.00047	0.00032	0.00028	0.00032	0.00037	0.00039	0.00038	0.00026	0.00030	0.00033	0.00047
Nickel	0.025	CCME	0.00072	0.00086	0.00085	0.00068	0.00067	0.00064	0.00062	0.00063	0.00073	0.00073	0.00064	0.00063	0.00081	0.00084	0.00068	0.00085
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.025	0.024	0.024	0.034	0.035	0.019	0.019	0.028	0.028	0.036	0.036	0.028	0.036
Potassium	-	-	1.1	1.2	1.3	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.4
Selenium	0.002	BC WQG	0.00011	0.00015	0.000083	0.00017	0.00017	0.00017	0.00012	0.00012	0.00012	0.00013	0.00011	0.00011	0.000069	0.000080	0.00012	0.00017
Silver	0.00025	CCME	0.000023	0.000024	0.000024	0.000024	0.000024	0.000023	0.000015	0.000015	0.000023	0.000023	0.000015	0.000015	0.000022	0.000024	0.000023	0.000024
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000041	0.0000041	0.0000042	0.0000044	0.0000052	0.0000051	0.0000037	0.0000039	0.0000058	0.0000058	0.0000040	0.0000041	0.0000041	0.0000058
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000035	0.000047	0.000049	0.000064	0.000054	0.000048	0.000028	0.000036	0.000060	0.000059	0.000024	0.000033	0.000048	0.000064
Uranium	0.015	CCME	0.00021	0.00024	0.00026	0.00023	0.00024	0.00028	0.00025	0.00024	0.00018	0.00020	0.00025	0.00024	0.00023	0.00025	0.00024	0.00028
Vanadium	0.12	FEQG	0.00082	0.0010	0.00085	0.00080	0.00080	0.00092	0.00101	0.00099	0.00083	0.00087	0.00085	0.00084	0.00080	0.00084	0.00085	0.00101
Zinc	0.03	CCME	0.0016	0.0021	0.0011	0.0020	0.0020	0.0021	0.0016	0.0016	0.0020	0.0020	0.0014	0.0014	0.0011	0.0011	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00095	0.00096	0.00095	0.00088	0.00060	0.00060	0.00089	0.00089	0.00061	0.00061	0.00087	0.00093	0.00089	0.0010
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.055	0.056	0.057	0.051	0.030	0.029	0.047	0.049	0.049	0.049	0.047	0.053	0.049	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00047	0.00048	0.00049	0.00044	0.00025	0.00025	0.00041	0.00042	0.00042	0.00042	0.00040	0.00046	0.00042	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0063	0.0065	0.013	0.012	0.0065	0.0064	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.066	0.19	0.19	0.17	0.024	0.022	0.028	0.029	0.051	0.050	0.063	0.065	0.057	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0044	0.0044	0.0044	0.0039	0.0019	0.0019	0.0020	0.0042	0.0041	0.0040	0.0042	0.0044	0.0041	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-24: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-3)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.2	2.3	2.5	3.6	2.3	2.1	1.8	2.2	2.7	2.7	1.5	2.0	2.3	3.6
Chloride	120	CCME	0.5	1.2	1.4	0.8	0.8	1.1	0.7	0.7	0.7	0.8	0.9	0.9	1.3	1.4	0.9	1.4
Aluminum	0.82	FEQG	0.15	0.22	0.12	0.098	0.097	0.087	0.16	0.17	0.13	0.13	0.094	0.094	0.12	0.12	0.12	0.17
Antimony	0.02	iPWQO	0.00038	0.00040	0.00045	0.00046	0.00046	0.00050	0.00031	0.00030	0.00044	0.00045	0.00033	0.00033	0.00041	0.00044	0.00044	0.00050
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0019	0.0023	0.0023	0.0023	0.0019	0.0019	0.0031	0.0031	0.0021	0.0021	0.0019	0.0019	0.0021	0.0031
Beryllium	0.011	PWQO	0.000013	0.000023	0.000023	0.000012	0.000012	0.000011	0.000010	0.000010	0.000012	0.000012	0.0000100	0.0000100	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0058	0.0061	0.0069	0.0068	0.0069	0.0069	0.0061	0.0060	0.0062	0.0064	0.0063	0.0062	0.0064	0.0068	0.0064	0.0069
Cadmium	0.000072	CCME	0.0000066	0.000020	0.000026	0.000013	0.000014	0.000033	0.000022	0.000019	0.000017	0.000021	0.000022	0.000022	0.000024	0.000025	0.000022	0.000033
Calcium	-	-	12	15	12	15	15	15	10	10	11	11	11	11	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00059	0.00072	0.00045	0.00062	0.00062	0.00059	0.00053	0.00053	0.00067	0.00067	0.00044	0.00043	0.00043	0.00044	0.00053	0.00067
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00020	0.00021	0.00022	0.00028	0.00020	0.00019	0.00022	0.00023	0.00022	0.00021	0.00017	0.00019	0.00021	0.00028
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.00098	0.00098	0.00099	0.00092	0.00092	0.00080	0.00079	0.0011	0.0011	0.00098	0.0011
Iron	0.8	FEQG	0.50	0.60	0.44	0.45	0.44	0.38	0.40	0.42	0.51	0.50	0.33	0.33	0.43	0.44	0.44	0.51
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00013	0.00014	0.00015	0.00019	0.00018	0.00011	0.00011	0.00015	0.00016	0.00015	0.0002
Magnesium	-	-	3.3	4.2	3.1	4.0	4.0	3.7	2.9	2.9	3.3	3.2	2.9	2.9	3.1	3.1	3.1	4.0
Manganese	-	-	0.022	0.050	0.022	0.045	0.045	0.044	0.023	0.022	0.045	0.045	0.021	0.021	0.021	0.022	0.022	0.045
Mercury	0.000026	CCME	0.0000014	0.0000018	0.0000019	0.0000019	0.0000020	0.0000029	0.0000024	0.0000022	0.0000019	0.0000021	0.0000025	0.0000025	0.0000016	0.0000018	0.0000021	0.0000029
Molybdenum	31	SEQG	0.00025	0.00026	0.00035	0.00038	0.00039	0.00059	0.00041	0.00036	0.00037	0.00043	0.00049	0.00048	0.00029	0.00033	0.00038	0.00059
Nickel	0.025	CCME	0.00073	0.00086	0.0009	0.00074	0.00075	0.0009	0.0008	0.00076	0.00081	0.0008	0.0008	0.0008	0.00085	0.00089	0.00081	0.0009
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.024	0.024	0.023	0.033	0.034	0.019	0.019	0.027	0.027	0.035	0.036	0.027	0.036
Potassium	-	-	1.1	1.3	1.4	1.5	1.5	1.6	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.6
Selenium	0.002	BC WQG	0.00011	0.00016	0.00011	0.00020	0.00020	0.00027	0.00019	0.00018	0.00016	0.00018	0.00019	0.00018	0.00009	0.00010	0.00018	0.00027
Silver	0.00025	CCME	0.000022	0.000023	0.000025	0.000026	0.000026	0.000027	0.000018	0.000017	0.000024	0.000025	0.000019	0.000019	0.000023	0.000025	0.000024	0.000027
Thallium	0.008	CCME	0.0000040	0.0000056	0.0000043	0.0000044	0.0000044	0.0000053	0.0000057	0.0000056	0.0000041	0.0000043	0.0000063	0.0000063	0.0000042	0.000004	0.0000044	0.0000063
Tungsten	0.03	iPWQO	0.000024	0.000042	0.000048	0.000061	0.000066	0.00012	0.000089	0.000077	0.000047	0.000062	0.00010	0.00010	0.000035	0.000045	0.000064	0.00012
Uranium	0.015	CCME	0.00022	0.00025	0.00028	0.00025	0.00026	0.00035	0.00029	0.00028	0.00021	0.00024	0.00030	0.00029	0.00024	0.00027	0.00027	0.00035
Vanadium	0.12	FEQG	0.00085	0.0010	0.00087	0.00082	0.00083	0.00098	0.00104	0.00102	0.00086	0.00090	0.00090	0.00089	0.00082	0.00086	0.00088	0.00104
Zinc	0.03	CCME	0.0016	0.0021	0.0015	0.0024	0.0024	0.0033	0.0025	0.0023	0.0024	0.0026	0.0024	0.0024	0.0014	0.0014	0.0024	0.0033
Zirconium	0.004	iPWQO	0.00089	0.00092	0.0010	0.0010	0.0010	0.0011	0.00073	0.00071	0.00095	0.0010	0.00076	0.00075	0.00091	0.0010	0.00096	0.0011
Ammonia, Total (as N)	1.8	CCME	0.047	0.055	0.055	0.056	0.057	0.053	0.032	0.031	0.048	0.049	0.050	0.050	0.047	0.053	0.050	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00047	0.00047	0.00048	0.00049	0.00045	0.00027	0.00026	0.00041	0.00042	0.00043	0.00043	0.00040	0.00046	0.00043	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0065	0.0067	0.013	0.012	0.0068	0.0067	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.067	0.19	0.19	0.16	0.029	0.026	0.031	0.032	0.054	0.053	0.063	0.066	0.059	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0043	0.0045	0.0044	0.0044	0.0043	0.0037	0.0019	0.0019	0.0020	0.0041	0.0040	0.0039	0.0042	0.0044	0.0040	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-25: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-4)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.9	2.0	2.0	2.8	1.9	1.7	1.5	1.9	2.2	2.2	1.3	1.7	1.9	2.8
Chloride	120	CCME	0.7	1.4	1.3	0.8	1.1	1.2	0.6	0.6	0.7	0.7	0.8	0.8	1.1	1.2	0.8	1.3
Aluminum	0.82	FEQG	0.22	0.30	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00026	0.00032	0.00040	0.00040	0.00040	0.00043	0.00026	0.00025	0.00041	0.00039	0.00028	0.00031	0.00037	0.00038	0.00038	0.00043
Arsenic	0.005	iPWQO	0.0022	0.0030	0.0018	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0022	0.0020	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000023	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000022	0.000021	0.000013	0.000023
Boron	1.5	CCME	0.0056	0.0059	0.0065	0.0064	0.0064	0.0065	0.0058	0.0058	0.0061	0.0061	0.0062	0.0061	0.0062	0.0064	0.0062	0.0065
Cadmium	0.000072	CCME	0.0000080	0.000018	0.000025	0.000014	0.000012	0.000025	0.000016	0.000014	0.000014	0.000016	0.000016	0.000016	0.000020	0.000021	0.000016	0.000025
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00088	0.00051	0.00066	0.00070	0.00067	0.00060	0.00059	0.00077	0.00068	0.00050	0.00053	0.00049	0.00046	0.00059	0.00077
Cobalt	0.0009	iPWQO	0.00018	0.00024	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00023	0.00023	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00088	0.00086	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.60	0.76	0.49	0.49	0.56	0.50	0.47	0.48	0.59	0.55	0.42	0.43	0.48	0.46	0.49	0.59
Lead	0.016	FEQG	0.00019	0.00023	0.00017	0.00017	0.00017	0.00015	0.00015	0.00016	0.00020	0.00020	0.00013	0.00013	0.00016	0.00016	0.00016	0.0002
Magnesium	-	-	3.6	4.4	3.4	4.2	4.2	3.9	3.0	3.0	3.3	3.4	3.0	3.3	3.2	3.2	3.3	4.2
Manganese	-	-	0.033	0.058	0.026	0.046	0.048	0.048	0.023	0.023	0.047	0.050	0.025	0.026	0.021	0.021	0.026	0.050
Mercury	0.000026	CCME	0.0000018	0.0000026	0.0000018	0.0000019	0.0000019	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000017	0.0000016	0.0000021	0.0000026
Molybdenum	31	SEQG	0.00025	0.00031	0.00033	0.00035	0.00034	0.00049	0.00034	0.00030	0.00032	0.00037	0.00042	0.00043	0.00028	0.00030	0.00034	0.00049
Nickel	0.025	CCME	0.00088	0.00095	0.00089	0.00075	0.00081	0.0009	0.00079	0.00077	0.00087	0.0009	0.0008	0.0008	0.00089	0.00086	0.00085	0.0009
Phosphorus	0.03	iPWQO	0.035	0.037	0.036	0.026	0.028	0.026	0.034	0.035	0.022	0.023	0.030	0.030	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.3	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00034	0.00019	0.00026	0.00018	0.00023	0.00016	0.00015	0.00014	0.00015	0.00016	0.00015	0.000089	0.00009	0.00016	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000015	0.000015	0.000024	0.000022	0.000017	0.000018	0.000023	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000047	0.0000063	0.0000043	0.0000044	0.0000044	0.0000050	0.0000055	0.0000054	0.0000049	0.0000043	0.0000060	0.0000063	0.0000048	0.0000043	0.0000049	0.0000063
Tungsten	0.03	iPWQO	0.000038	0.000078	0.000042	0.000052	0.000055	0.000091	0.000073	0.000064	0.000041	0.000059	0.000090	0.000094	0.000037	0.000044	0.000057	0.000094
Uranium	0.015	CCME	0.00025	0.00037	0.00032	0.00029	0.00026	0.00032	0.00027	0.00025	0.00020	0.00024	0.00027	0.00030	0.00026	0.00027	0.00027	0.00032
Vanadium	0.12	FEQG	0.0010	0.0012	0.00094	0.00089	0.00091	0.00100	0.0011	0.0011	0.00100	0.0010	0.00093	0.00097	0.00090	0.00089	0.00095	0.0011
Zinc	0.03	CCME	0.0016	0.0023	0.0015	0.0023	0.0023	0.0030	0.0022	0.0020	0.0025	0.0023	0.0021	0.0021	0.0013	0.0014	0.0021	0.0030
Zirconium	0.004	iPWQO	0.00076	0.00094	0.00091	0.00092	0.00094	0.0010	0.00068	0.00066	0.00095	0.00089	0.00071	0.00074	0.00092	0.00085	0.00090	0.0010
Ammonia, Total (as N)	1.8	CCME	0.046	0.097	0.071	0.072	0.054	0.051	0.032	0.032	0.048	0.048	0.049	0.048	0.045	0.047	0.048	0.072
Ammonia, Unionized (as N)	0.019	CCME	0.00040	0.00084	0.00061	0.00062	0.00046	0.00044	0.00028	0.00028	0.00041	0.00041	0.00042	0.00041	0.00039	0.00041	0.00041	0.00062
Nitrite (as N)	0.06	CCME	0.0099	0.014	0.012	0.012	0.013	0.011	0.0057	0.0059	0.013	0.011	0.0074	0.0071	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.061	0.20	0.077	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.050	0.055	0.065	0.065	0.060	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0030	0.0042	0.0038	0.0038	0.0038	0.0034	0.0018	0.0019	0.0024	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-26: Base Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.8	1.9	1.9	2.7	1.8	1.6	1.5	1.8	2.1	2.1	1.3	1.6	1.8	2.7
Chloride	120	CCME	0.9	1.6	1.4	0.9	1.2	1.4	0.8	0.7	0.9	0.9	1.0	1.0	1.3	1.4	1.0	1.4
Aluminum	0.73	FEQG	0.22	0.29	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00028	0.00033	0.00040	0.00040	0.00040	0.00042	0.00026	0.00026	0.00041	0.00038	0.00028	0.00032	0.00037	0.00038	0.00038	0.00042
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0019	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0023	0.0021	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000021	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0065	0.0063	0.0063	0.0064	0.0058	0.0058	0.0061	0.0061	0.0062	0.0060	0.0061	0.0064	0.0061	0.0065
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000024	0.000013	0.000011	0.000023	0.000015	0.000013	0.000014	0.000015	0.000016	0.000015	0.000019	0.000020	0.000015	0.000024
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00066	0.00070	0.00066	0.00060	0.00060	0.00076	0.00067	0.00050	0.00053	0.00049	0.00046	0.00060	0.00076
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00022	0.00022	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00088	0.00085	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.59	0.75	0.48	0.49	0.56	0.50	0.47	0.48	0.58	0.55	0.42	0.43	0.48	0.46	0.48	0.58
Lead	0.017	FEQG	0.00018	0.00022	0.00017	0.00016	0.000164	0.000152	0.000152	0.00016	0.00020	0.00019	0.00013	0.00013	0.00016	0.00016	0.00016	0.00020
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.0	3.1	3.1	3.3	3.5	3.1	3.4	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.027	0.046	0.049	0.048	0.024	0.024	0.047	0.051	0.026	0.027	0.022	0.022	0.027	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000019	0.0000019	0.0000020	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000018	0.0000017	0.0000022	0.0000026
Molybdenum	31	SEQG	0.00026	0.00031	0.00032	0.00034	0.00033	0.00047	0.00033	0.00029	0.00032	0.00036	0.00041	0.00042	0.00028	0.00029	0.00033	0.00047
Nickel	0.025	CCME	0.00087	0.00093	0.00088	0.00075	0.00081	0.0009	0.00078	0.00076	0.00086	0.00086	0.0008	0.00083	0.00087	0.00085	0.00084	0.0009
Phosphorus	0.03	iPWQO	0.034	0.036	0.035	0.026	0.028	0.026	0.033	0.034	0.022	0.023	0.030	0.029	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00032	0.00019	0.00026	0.00017	0.00022	0.00016	0.00015	0.00014	0.00015	0.00015	0.00015	0.000091	0.00010	0.00015	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000016	0.000015	0.000024	0.000022	0.000017	0.000018	0.000024	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000043	0.0000044	0.0000044	0.0000050	0.0000054	0.0000053	0.0000050	0.0000043	0.0000059	0.0000062	0.0000049	0.0000043	0.0000049	0.0000062
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000041	0.000050	0.000053	0.000086	0.000069	0.000062	0.000040	0.000057	0.000086	0.000091	0.000037	0.000043	0.000055	0.000091
Uranium	0.015	CCME	0.00024	0.00035	0.00031	0.00029	0.00025	0.00030	0.00026	0.00025	0.00020	0.00023	0.00026	0.00029	0.00025	0.00026	0.00026	0.00031
Vanadium	0.12	FEQG	0.0010	0.0012	0.00092	0.00088	0.00089	0.00097	0.00105	0.00104	0.00099	0.0010	0.00092	0.00095	0.00089	0.00088	0.00094	0.0011
Zinc	0.03	CCME	0.0016	0.0024	0.0015	0.0022	0.0023	0.0029	0.0021	0.0020	0.0024	0.0023	0.0020	0.0020	0.0014	0.0014	0.0021	0.0029
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00091	0.00092	0.00094	0.0010	0.00069	0.00067	0.00095	0.00089	0.00072	0.00075	0.00092	0.00085	0.00090	0.0010
Ammonia, Total (as N)	1.8	CCME	0.049	0.10	0.073	0.074	0.056	0.054	0.037	0.036	0.051	0.051	0.052	0.051	0.047	0.049	0.051	0.074
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00063	0.00064	0.00048	0.00046	0.00031	0.00031	0.00044	0.00044	0.00045	0.00044	0.00041	0.00042	0.00044	0.00064
Nitrite (as N)	0.06	CCME	0.011	0.015	0.012	0.012	0.013	0.011	0.0061	0.0062	0.013	0.011	0.0078	0.0075	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.059	0.19	0.076	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.049	0.054	0.063	0.064	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0038	0.0038	0.0038	0.0034	0.0019	0.0020	0.0025	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-27: Base Case Long-term Equilibrium Water Quality, Genessee Lake (GEN-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Chloride	120	CCME	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aluminum	1.1	FEQG	0.013	0.01	0.01	0.013	0.013	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.01	0.02
Antimony	0.02	iPWQO	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Arsenic	0.005	iPWQO	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.002
Beryllium	0.011	PWQO	0.0000100	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.00001	0.000010	0.000010
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000061	CCME	0.0000025	0.00000	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
Calcium	-	-	10.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Chromium	0.0089	iPWQO [2]	0.00025	0.0002	0.0002	0.0002	0.0002	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0002	0.00025	0.0002
Cobalt	0.0009	iPWQO	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper	0.005	iPWQO	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Iron	0.8	FEQG	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17
Lead	0.011	FEQG	0.000025	0.00003	0.00003	0.00003	0.000025	0.000025	0.000025	0.00003	0.00003	0.00003	0.00003	0.00003	0.000025	0.00003	0.00003	0.0000
Magnesium	-	-	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Manganese	-	-	0.0115	0.012	0.0115	0.0115	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0115	0.0115	0.012	0.012
Mercury	0.000026	CCME	0.0000006	0.0000006	0.0000006	0.0000006	0.00000055	0.00000055	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006
Molybdenum	31	SEQG	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Nickel	0.025	CCME	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Phosphorus	0.03	iPWQO	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Potassium	-	-	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Selenium	0.002	BC WQG	0.000076	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
Silver	0.00025	CCME	0.0000050	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.000005	0.0000050	0.000005
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.000050	0.00005	0.00005	0.00005	0.000050	0.00005	0.00005	0.00005
Uranium	0.015	CCME	0.000039	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004
Vanadium	0.12	FEQG	0.00025	0.0003	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0003	0.0003	0.00025	0.00025	0.0003	0.00025	0.0003
Zinc	0.03	CCME	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.002	0.0015	0.002
Zirconium	0.004	iPWQO	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.0001
Ammonia, Total (as N)	1.8	CCME	0.0182	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Ammonia, Unionized (as N)	0.019	CCME	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016
Nitrite (as N)	0.06	CCME	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Nitrate (as N)	3	CCME	0.010	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.010	0.01	0.01	0.010	0.01	0.010	0.01
Cyanide, WAD	0.005	PWQO [3]	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-28: Base Case Long-term Equilibrium Water Quality, Genessee Lake (GEN-L)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Chloride	120	CCME	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aluminum	1.1	FEQG	0.013	0.01	0.01	0.013	0.013	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0	0.01	0.02
Antimony	0.02	iPWQO	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Arsenic	0.005	iPWQO	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.002
Beryllium	0.011	PWQO	0.0000100	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.00001	0.000010	0.000010
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000061	CCME	0.0000025	0.00000	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
Calcium	-	-	10.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Chromium	0.0089	iPWQO [2]	0.00025	0.0002	0.0002	0.0002	0.0002	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0002	0.00025	0.0002
Cobalt	0.0009	iPWQO	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Copper	0.005	iPWQO	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Iron	0.8	FEQG	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17
Lead	0.011	FEQG	0.000025	0.00003	0.00003	0.00003	0.000025	0.000025	0.000025	0.00003	0.00003	0.00003	0.00003	0.00003	0.000025	0.00003	0.00003	0.0000
Magnesium	-	-	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Manganese	-	-	0.0115	0.012	0.0115	0.0115	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0115	0.0115	0.012	0.012
Mercury	0.000026	CCME	0.0000006	0.0000006	0.0000006	0.0000006	0.00000055	0.00000055	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006
Molybdenum	31	SEQG	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
Nickel	0.025	CCME	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Phosphorus	0.03	iPWQO	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Potassium	-	-	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Selenium	0.002	BC WQG	0.000076	0.0001	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
Silver	0.00025	CCME	0.0000050	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.000005	0.0000050	0.000005
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.000050	0.00005	0.00005	0.00005	0.000050	0.00005	0.00005	0.00005
Uranium	0.015	CCME	0.000039	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004
Vanadium	0.12	FEQG	0.00025	0.0003	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0003	0.0003	0.00025	0.00025	0.0003	0.00025	0.0003
Zinc	0.03	CCME	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.002	0.0015	0.002
Zirconium	0.004	iPWQO	0.00010	0.0001	0.0001	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.0001	0.00010	0.0001
Ammonia, Total (as N)	1.8	CCME	0.0182	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Ammonia, Unionized (as N)	0.019	CCME	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016	0.00016
Nitrite (as N)	0.06	CCME	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Nitrate (as N)	3	CCME	0.010	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.010	0.01	0.01	0.010	0.01	0.010	0.01
Cyanide, WAD	0.005	PWQO [3]	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-29: Base Case Long-term Equilibrium Water Quality, Pakwash Lake (PAK-IN)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	1.1	FEQG	0.127	0.22	0.11	0.063	0.063	0.06	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.1	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.007	0.0113	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.0000104	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000031	0.000012	0.00001	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0078	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000074	CCME	0.0000072	0.00001	0.000008	0.000008	0.000007	0.000008	0.000004	0.000003	0.000004	0.000005	0.000004	0.000010	0.000007	0.000008	0.000007	0.000010
Calcium	-	-	11.3	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.0008	0.0004	0.0005	0.0005	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.00102	0.00043	0.0004	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.000105	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.013	FEQG	0.000101	0.00018	0.00010	0.00005	0.000053	0.000053	0.000121	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00009	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.0115	0.015	0.0091	0.0111	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0087	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.0000009	0.0000014	0.0000009	0.0000007	0.00000074	0.00000081	0.0000014	0.0000014	0.0000009	0.0000009	0.0000009	0.0000009	0.0000009	0.0000009	0.0000009	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00022	0.00025	0.00025	0.00027	0.00019	0.00019	0.00023	0.00019	0.00023	0.00034	0.00021	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.0009	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.02	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.042	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.000103	0.0001	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.00009	0.00011	0.00009	0.00012	0.00012	0.00011	0.00013
Silver	0.00025	CCME	0.0000151	0.000022	0.000015	0.000019	0.000019	0.000019	0.000006	0.000006	0.000006	0.000006	0.000012	0.000026	0.000015	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.000005	0.0000050	0.000007
Tungsten	0.03	iPWQO	0.000049	0.000050	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.000049	0.00005	0.00005	0.00005	0.000049	0.00005	0.00005	0.00005
Uranium	0.015	CCME	0.000127	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.0009	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.0006	0.0007	0.00098	0.00058	0.0006	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.001	0.0016	0.002
Zirconium	0.004	iPWQO	0.00061	0.0008	0.0007	0.00079	0.00079	0.00080	0.00027	0.00027	0.00048	0.00047	0.00042	0.00053	0.00071	0.0007	0.00062	0.0008
Ammonia, Total (as N)	1.8	CCME	0.0344	0.048	0.037	0.048	0.047	0.046	0.016	0.016	0.023	0.024	0.040	0.032	0.035	0.035	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00041	0.00032	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.00689	0.0088	0.0081	0.0088	0.0088	0.0087	0.0009	0.0010	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.04	0.14	0.14	0.14	0.01	0.01	0.013	0.01	0.02	0.04	0.036	0.04	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.00242	0.0028	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-30: Base Case Long-term Equilibrium Water Quality, Pakwash Lake (PAK-L)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	4.0	4.8	4.7	4.8	4.8	4.4	3.3	3.2	3.5	3.9	4.0	4.0	4.1	4.4	4.1	4.8
Chloride	120	CCME	2.0	2.1	2.1	2.1	2.2	2.0	1.5	1.4	1.7	2.0	2.0	1.9	1.9	2.0	2.0	2.2
Aluminum	1.3	FEQG	0.195	0.22	0.20	0.188	0.175	0.15	0.14	0.16	0.19	0.21	0.21	0.21	0.22	0.2	0.19	0.22
Antimony	0.02	iPWQO	0.00025	0.00030	0.00030	0.00031	0.00031	0.00028	0.00020	0.00017	0.00019	0.00025	0.00026	0.00025	0.00026	0.00028	0.00026	0.00031
Arsenic	0.005	iPWQO	0.0061	0.007	0.0067	0.0066	0.0065	0.0058	0.0041	0.0035	0.0040	0.005	0.0057	0.0065	0.0067	0.0067	0.0061	0.007
Beryllium	0.011	PWQO	0.0000119	0.000015	0.000015	0.000014	0.000013	0.000011	0.000009	0.000009	0.000010	0.000011	0.000011	0.000012	0.000015	0.00002	0.000012	0.000015
Boron	1.5	CCME	0.0056	0.0071	0.0070	0.0072	0.0069	0.0059	0.0045	0.0044	0.0049	0.0055	0.0056	0.0055	0.0058	0.0064	0.0057	0.0072
Cadmium	0.000074	CCME	0.0000051	0.00001	0.000007	0.000007	0.000007	0.000006	0.000005	0.000004	0.000004	0.000004	0.000005	0.000005	0.000006	0.000007	0.000006	0.000007
Calcium	-	-	12.0	13	13	13	13	12	10	10	11	12	12	12	12	13	12	13
Chromium	0.0089	iPWQO [2]	0.00056	0.0006	0.0006	0.0006	0.0006	0.00054	0.00045	0.00047	0.00053	0.00056	0.00053	0.00055	0.00064	0.0006	0.00055	0.0006
Cobalt	0.0009	iPWQO	0.000135	0.00015	0.00014	0.00014	0.00013	0.00011	0.00010	0.00011	0.00013	0.00014	0.00014	0.00014	0.00015	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0015	0.0016	0.0016	0.0016	0.0016	0.0015	0.0012	0.0012	0.0013	0.0015	0.0015	0.0014	0.0015	0.0016	0.0015	0.0016
Iron	0.8	FEQG	0.26	0.29	0.26	0.26	0.25	0.23	0.20	0.22	0.26	0.28	0.28	0.27	0.28	0.27	0.26	0.28
Lead	0.013	FEQG	0.000125	0.00015	0.00013	0.00013	0.000115	0.000097	0.000083	0.00010	0.00011	0.00012	0.00013	0.00014	0.000145	0.00014	0.00012	0.0001
Magnesium	-	-	3.0	3.3	3.2	3.3	3.2	3.0	2.5	2.4	2.7	3.0	3.0	2.9	3.0	3.1	3.0	3.3
Manganese	-	-	0.0120	0.014	0.0120	0.0118	0.012	0.011	0.009	0.010	0.011	0.014	0.014	0.014	0.0132	0.0125	0.012	0.014
Mercury	0.000026	CCME	0.0000012	0.0000013	0.0000012	0.0000012	0.00000116	0.00000106	0.0000010	0.0000011	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000012	0.0000012	0.0000013
Molybdenum	31	SEQG	0.00023	0.00025	0.00025	0.00025	0.00025	0.00023	0.00019	0.00018	0.00020	0.00023	0.00023	0.00024	0.00026	0.00026	0.00024	0.00026
Nickel	0.025	CCME	0.0012	0.0013	0.0013	0.0013	0.0013	0.0012	0.0009	0.0009	0.0011	0.0011	0.0011	0.0011	0.0012	0.0012	0.0012	0.0013
Phosphorus	0.02	iPWQO	0.030	0.036	0.033	0.032	0.031	0.028	0.022	0.021	0.024	0.029	0.030	0.033	0.037	0.035	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.1	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.2	1.1	1.2
Selenium	0.002	BC WQG	0.000106	0.0001	0.00012	0.00012	0.00012	0.00010	0.00008	0.00008	0.00010	0.00011	0.00011	0.00011	0.00010	0.00011	0.00011	0.00012
Silver	0.00025	CCME	0.0000105	0.000014	0.000014	0.000014	0.000014	0.000013	0.000009	0.000006	0.000006	0.000006	0.000007	0.000009	0.000012	0.000013	0.000011	0.000014
Thallium	0.008	CCME	0.0000054	0.0000057	0.0000058	0.0000057	0.0000054	0.0000048	0.0000039	0.0000042	0.0000048	0.0000054	0.0000054	0.0000053	0.0000056	0.000006	0.0000054	0.000006
Tungsten	0.03	iPWQO	0.000053	0.000055	0.00006	0.00006	0.00006	0.00005	0.00004	0.00004	0.000049	0.00005	0.00005	0.00005	0.000053	0.00005	0.00005	0.00006
Uranium	0.015	CCME	0.000122	0.00014	0.00014	0.00014	0.00014	0.00012	0.00010	0.00009	0.00010	0.00012	0.00012	0.00012	0.00013	0.00013	0.00012	0.00014
Vanadium	0.12	FEQG	0.00083	0.0009	0.00084	0.00081	0.00077	0.00068	0.00059	0.00063	0.00073	0.0008	0.0008	0.00085	0.00088	0.0009	0.00082	0.0009
Zinc	0.03	CCME	0.0017	0.0018	0.0017	0.0017	0.0018	0.0017	0.0014	0.0014	0.0015	0.0017	0.0017	0.0016	0.0017	0.002	0.0017	0.002
Zirconium	0.004	iPWQO	0.00041	0.0006	0.0005	0.00058	0.00060	0.00055	0.00039	0.00028	0.00029	0.00037	0.00039	0.00039	0.00043	0.0005	0.00041	0.0006
Ammonia, Total (as N)	1.8	CCME	0.0254	0.032	0.030	0.031	0.032	0.031	0.022	0.016	0.016	0.020	0.022	0.025	0.026	0.028	0.026	0.032
Ammonia, Unionized (as N)	0.019	CCME	0.00022	0.00027	0.00025	0.00027	0.00028	0.00026	0.00019	0.00014	0.00014	0.00017	0.00019	0.00021	0.00023	0.00024	0.00022	0.00028
Nitrite (as N)	0.06	CCME	0.00326	0.0056	0.0051	0.0055	0.0057	0.0053	0.0032	0.0015	0.0011	0.0012	0.0015	0.0024	0.0033	0.0043	0.0033	0.0057
Nitrate (as N)	3	CCME	0.025	0.05	0.03	0.03	0.03	0.05	0.06	0.04	0.02	0.016	0.02	0.02	0.02	0.024	0.03	0.025	0.06
Cyanide, WAD	0.005	PWQO [3]	0.00148	0.0021	0.0020	0.0021	0.0021	0.0019	0.0012	0.0007	0.0008	0.0011	0.0013	0.0014	0.0016	0.0018	0.0015	0.0021

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-31: Base Case Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	3.8	4.2	4.0	4.1	4.2	4.3	4.1	3.7	3.6	3.6	3.7	3.8	3.9	3.9	3.9	4.3
Chloride	120	CCME	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8	2.0
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00025	0.00026	0.00026	0.00027	0.00026	0.00022	0.00021	0.00021	0.00022	0.00023	0.00024	0.00024	0.00024	0.00027
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0055	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.00001	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0057	0.0059	0.0060	0.0061	0.0058	0.0052	0.0050	0.0050	0.0052	0.0053	0.0053	0.0055	0.0054	0.0061
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000054	0.0000056	0.0000058	0.0000059	0.0000058	0.0000051	0.0000046	0.0000044	0.0000045	0.0000046	0.0000048	0.0000051	0.0000051	0.0000059
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	11	11	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00057	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.26	0.26	0.26	0.24	0.23	0.23	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00012	0.00013	0.00013	0.00012	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000011	0.0000011	0.0000011	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012
Molybdenum	31	SEQG	0.00022	0.00024	0.00023	0.00024	0.00024	0.00024	0.00023	0.00021	0.00020	0.00020	0.00021	0.00022	0.00022	0.00023	0.00023	0.00024
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.030	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00011	0.00010	0.00011	0.00011	0.00011	0.00010	0.00009	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000010	0.000011	0.000011	0.000011	0.0000095	0.0000081	0.0000075	0.0000073	0.0000074	0.0000082	0.0000092	0.0000093	0.000011
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000053	0.0000054	0.0000054	0.0000054	0.0000050	0.0000046	0.0000046	0.0000047	0.0000049	0.0000050	0.0000051	0.0000053	0.0000051	0.0000054
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000052	0.000053	0.000053	0.000053	0.000051	0.000047	0.000047	0.000048	0.000050	0.000051	0.000052	0.000052	0.000051	0.000053
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012	0.00011	0.00010	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00047	0.00041	0.00036	0.00035	0.00036	0.00037	0.00038	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.024	0.025	0.026	0.027	0.026	0.023	0.020	0.019	0.020	0.021	0.022	0.023	0.023	0.027
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00021	0.00021	0.00022	0.00023	0.00023	0.00020	0.00017	0.00017	0.00017	0.00018	0.00019	0.00020	0.00020	0.00023
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0028	0.0032	0.0035	0.0038	0.0039	0.0032	0.0025	0.0020	0.0018	0.0019	0.0021	0.0024	0.0026	0.0039
Nitrate (as N)	3	CCME	0.024	0.035	0.023	0.024	0.024	0.026	0.031	0.037	0.034	0.028	0.024	0.022	0.021	0.021	0.022	0.024	0.037
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0014	0.0015	0.0016	0.0017	0.0016	0.0013	0.0011	0.0010	0.0011	0.0012	0.0012	0.0013	0.0013	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-32: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.1	14.2	13.9	13.5	8.6	5.1	5.2	7.1	8.1	7.6	7.5	11.6	14.8	8.3	14.8
Chloride	120	CCME	0.7	0.9	4.6	4.5	4.4	3.5	2.7	2.8	3.3	3.5	3.4	3.4	4.2	4.8	3.5	4.8
Aluminum	0.8	FEQG	0.270	0.40	0.12	0.118	0.123	0.09	0.11	0.09	0.07	0.07	0.06	0.07	0.09	0.1	0.09	0.12
Antimony	0.02	iPWQO	0.00011	0.00022	0.00083	0.00082	0.00080	0.00064	0.00051	0.00053	0.00061	0.00065	0.00064	0.00064	0.00077	0.00087	0.00064	0.00087
Arsenic	0.005	iPWQO	0.0020	0.003	0.0017	0.0017	0.0017	0.0018	0.0019	0.0019	0.0019	0.002	0.0019	0.0019	0.0018	0.0017	0.0018	0.002
Beryllium	0.011	PWQO	0.0000148	0.000020	0.000022	0.000022	0.000021	0.000019	0.000016	0.000017	0.000018	0.000019	0.000018	0.000018	0.000020	0.00002	0.000019	0.000022
Boron	1.5	CCME	0.0052	0.0083	0.0177	0.0175	0.0171	0.0129	0.0099	0.0104	0.0121	0.0128	0.0122	0.0121	0.0156	0.0184	0.0128	0.0184
Cadmium	0.000078	CCME	0.0000057	0.00001	0.000010	0.000010	0.000010	0.000008	0.000008	0.000008	0.000008	0.000008	0.000008	0.000008	0.000009	0.000010	0.000008	0.000010
Calcium	-	-	18.6	27	22	22	22	15	11	11	12	14	14	15	19	22	15	22
Chromium	0.0089	iPWQO [2]	0.00075	0.0009	0.0013	0.0013	0.0012	0.00114	0.00107	0.00107	0.00111	0.00115	0.00114	0.00113	0.00122	0.0013	0.00114	0.0013
Cobalt	0.0009	iPWQO	0.000219	0.00029	0.00055	0.00055	0.00054	0.00033	0.00019	0.00018	0.00025	0.00029	0.00027	0.00027	0.00043	0.00057	0.00031	0.00057
Copper	0.005	iPWQO	0.0012	0.0015	0.0013	0.0013	0.0013	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0014	0.0013	0.0014	0.0015
Iron	0.8	FEQG	0.66	0.83	0.26	0.27	0.28	0.22	0.19	0.15	0.14	0.14	0.14	0.15	0.20	0.25	0.19	0.28
Lead	0.016	FEQG	0.000179	0.00022	0.00012	0.00012	0.000127	0.000133	0.000135	0.00013	0.00012	0.00013	0.00013	0.00013	0.000123	0.00012	0.00013	0.0001
Magnesium	-	-	4.7	6.3	2.8	2.8	2.9	2.2	1.9	1.7	1.8	2.0	2.0	2.2	2.4	2.7	2.2	2.9
Manganese	-	-	0.0394	0.074	0.0421	0.0418	0.042	0.035	0.026	0.024	0.029	0.032	0.030	0.028	0.0358	0.0429	0.034	0.043
Mercury	0.000026	CCME	0.0000015	0.0000055	0.0000085	0.0000083	0.0000081	0.0000070	0.0000065	0.0000068	0.0000074	0.0000076	0.0000072	0.0000070	0.0000080	0.0000088	0.0000075	0.0000088
Molybdenum	31	SEQG	0.00032	0.00047	0.00259	0.00255	0.00247	0.00230	0.00206	0.00213	0.00234	0.00245	0.00242	0.00236	0.00257	0.00271	0.00243	0.00271
Nickel	0.025	CCME	0.0009	0.0011	0.0009	0.0009	0.0009	0.0007	0.0006	0.0006	0.0006	0.0007	0.0007	0.0007	0.0008	0.0010	0.0007	0.0010
Phosphorus	0.03	iPWQO	0.033	0.044	0.021	0.022	0.022	0.018	0.017	0.015	0.016	0.017	0.017	0.017	0.019	0.021	0.017	0.022
Potassium	-	-	1.5	1.8	4.6	4.5	4.4	3.3	2.6	2.6	3.0	3.3	3.2	3.2	4.1	4.8	3.3	4.8
Selenium	0.002	BC WQG	0.000111	0.0001	0.00057	0.00056	0.00054	0.00045	0.00038	0.00038	0.00044	0.00046	0.00045	0.00044	0.00052	0.00059	0.00046	0.00059
Silver	0.00025	CCME	0.0000190	0.000025	0.000051	0.000051	0.000050	0.000039	0.000031	0.000031	0.000036	0.000038	0.000038	0.000038	0.000046	0.000053	0.000039	0.000053
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000098	0.0000098	0.0000096	0.0000083	0.0000073	0.0000074	0.0000081	0.0000084	0.0000082	0.0000081	0.0000092	0.000010	0.0000083	0.000010
Tungsten	0.03	iPWQO	0.000051	0.000109	0.00046	0.00045	0.00044	0.00035	0.00028	0.00028	0.000333	0.00036	0.00035	0.00034	0.000418	0.00048	0.00036	0.00048
Uranium	0.015	CCME	0.000442	0.00051	0.00124	0.00123	0.00120	0.00105	0.00091	0.00093	0.00104	0.00109	0.00108	0.00106	0.00119	0.00128	0.00109	0.00128
Vanadium	0.12	FEQG	0.00120	0.0016	0.00291	0.00287	0.00282	0.00266	0.00253	0.00257	0.00272	0.0028	0.0027	0.00268	0.00287	0.0030	0.00277	0.0030
Zinc	0.03	CCME	0.0017	0.0028	0.0033	0.0033	0.0032	0.0032	0.0031	0.0030	0.0031	0.0032	0.0032	0.0031	0.0033	0.003	0.0032	0.003
Zirconium	0.004	iPWQO	0.00061	0.0008	0.0017	0.00164	0.00160	0.00126	0.00107	0.00108	0.00121	0.00127	0.00124	0.00124	0.00151	0.0017	0.00126	0.0017
Ammonia, Total (as N)	1.8	CCME	0.0427	0.047	0.176	0.174	0.169	0.108	0.065	0.066	0.088	0.100	0.095	0.095	0.144	0.183	0.104	0.183
Ammonia, Unionized (as N)	0.019	CCME	0.00037	0.00041	0.00152	0.00149	0.00146	0.00093	0.00056	0.00056	0.00076	0.00086	0.00081	0.00082	0.00124	0.00157	0.00090	0.00157
Nitrite (as N)	0.06	CCME	0.00353	0.0100	0.0054	0.0054	0.0053	0.0051	0.0048	0.0048	0.0049	0.0054	0.0058	0.0059	0.0057	0.0055	0.0054	0.0059
Nitrate (as N)	3	CCME	0.059	0.15	0.06	0.06	0.06	0.06	0.07	0.06	0.056	0.05	0.05	0.05	0.055	0.06	0.058	0.07
Cyanide, WAD	0.005	PWQO [3]	0.00235	0.0030	0.0026	0.0026	0.0025	0.0022	0.0020	0.0022	0.0022	0.0022	0.0022	0.0022	0.0023	0.0025	0.0022	0.0026

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-33: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	128	BC WQG	1.0	1.0	1.3	1.7	4.8	2.0	1.5	1.4	1.5	1.6	1.6	1.4	1.4	1.3	1.5	4.8
Chloride	120	CCME	3.2	3.2	2.7	2.6	4.1	2.4	2.3	2.1	2.0	2.1	2.1	2.3	3.2	3.1	2.4	4.1
Aluminum	0.26	FEQG	0.187	0.19	0.15	0.133	0.166	0.12	0.13	0.12	0.11	0.12	0.12	0.13	0.18	0.2	0.13	0.18
Antimony	0.02	iPWQO	0.00045	0.00045	0.00041	0.00042	0.00080	0.00042	0.00038	0.00034	0.00034	0.00035	0.00036	0.00036	0.00047	0.00045	0.00039	0.00080
Arsenic	0.005	iPWQO	0.0043	0.004	0.0034	0.0031	0.0038	0.0031	0.0033	0.0030	0.0029	0.003	0.0030	0.0032	0.0042	0.0040	0.0032	0.004
Beryllium	0.011	PWQO	0.0000135	0.000014	0.000011	0.000010	0.000012	0.000012	0.000012	0.000012	0.000011	0.000012	0.000012	0.000012	0.000013	0.00001	0.000012	0.000013
Boron	1.5	CCME	0.0050	0.0050	0.0043	0.0043	0.0074	0.0057	0.0054	0.0053	0.0054	0.0054	0.0054	0.0053	0.0052	0.0049	0.0053	0.0074
Cadmium	0.000057	CCME	0.0000089	0.00001	0.000007	0.000007	0.000010	0.000007	0.000007	0.000006	0.000006	0.000006	0.000006	0.000006	0.000009	0.000008	0.000007	0.000010
Calcium	-	-	13.1	13	11	10	13	14	14	14	14	14	14	14	13	12	14	14
Chromium	0.0089	iPWQO [2]	0.00103	0.0010	0.0008	0.0007	0.0009	0.00068	0.00071	0.00063	0.00060	0.00062	0.00064	0.00070	0.00100	0.0009	0.00071	0.0010
Cobalt	0.0009	iPWQO	0.000445	0.00045	0.00036	0.00033	0.00043	0.00029	0.00030	0.00026	0.00025	0.00026	0.00026	0.00029	0.00043	0.00041	0.00030	0.00043
Copper	0.005	iPWQO	0.0009	0.0009	0.0007	0.0006	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0008	0.0009	0.0009
Iron	0.71	FEQG	0.72	0.72	0.57	0.51	0.64	0.55	0.57	0.53	0.51	0.52	0.53	0.56	0.70	0.66	0.55	0.70
Lead	0.019	FEQG	0.000119	0.00012	0.00009	0.00008	0.000106	0.000098	0.000100	0.00010	0.00009	0.00009	0.00010	0.00010	0.000116	0.00011	0.00010	0.0001
Magnesium	-	-	4.2	4.2	3.5	3.3	4.8	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.0	4.3	4.8
Manganese	-	-	0.0600	0.060	0.0486	0.0444	0.060	0.043	0.044	0.040	0.038	0.039	0.040	0.043	0.0587	0.0558	0.044	0.060
Mercury	0.000026	CCME	0.0000046	0.0000046	0.0000038	0.0000036	0.00000522	0.00000392	0.0000039	0.0000036	0.0000036	0.0000037	0.0000037	0.0000038	0.0000046	0.0000044	0.0000038	0.0000052
Molybdenum	31	SEQG	0.00021	0.00021	0.00020	0.00022	0.00048	0.00032	0.00028	0.00028	0.00029	0.00029	0.00029	0.00027	0.00023	0.00022	0.00028	0.00048
Nickel	0.025	CCME	0.0009	0.0009	0.0008	0.0007	0.0012	0.0009	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0009	0.0008	0.0012
Phosphorus	0.03	iPWQO	0.023	0.023	0.018	0.016	0.021	0.028	0.027	0.028	0.029	0.028	0.028	0.027	0.022	0.021	0.027	0.029
Potassium	-	-	0.8	0.8	0.7	0.7	1.5	1.2	1.1	1.1	1.1	1.1	1.1	1.0	0.8	0.8	1.1	1.5
Selenium	0.002	BC WQG	0.000141	0.0001	0.00012	0.00012	0.00019	0.00014	0.00014	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00019
Silver	0.00025	CCME	0.0000250	0.000025	0.000020	0.000019	0.000025	0.000019	0.000019	0.000018	0.000017	0.000018	0.000018	0.000019	0.000025	0.000023	0.000019	0.000025
Thallium	0.008	CCME	0.0000060	0.0000060	0.0000051	0.0000049	0.0000077	0.0000061	0.0000059	0.0000057	0.0000057	0.0000058	0.0000058	0.0000058	0.0000061	0.000006	0.0000058	0.000008
Tungsten	0.03	iPWQO	0.000030	0.000030	0.00003	0.00004	0.00009	0.00005	0.00005	0.00005	0.000049	0.00005	0.00005	0.00004	0.000035	0.00003	0.00005	0.00009
Uranium	0.015	CCME	0.000077	0.00008	0.00007	0.00008	0.00016	0.00018	0.00016	0.00018	0.00019	0.00018	0.00018	0.00016	0.00009	0.00008	0.00016	0.00019
Vanadium	0.12	FEQG	0.00080	0.0008	0.00066	0.00061	0.00087	0.00076	0.00075	0.00073	0.00073	0.0007	0.0007	0.00074	0.00079	0.0008	0.00074	0.0009
Zinc	0.03	CCME	0.0030	0.0030	0.0024	0.0022	0.0028	0.0021	0.0022	0.0020	0.0019	0.0020	0.0020	0.0022	0.0029	0.003	0.0022	0.003
Zirconium	0.004	iPWQO	0.00100	0.0010	0.0008	0.00074	0.00099	0.00085	0.00086	0.00082	0.00081	0.00082	0.00083	0.00085	0.00098	0.0009	0.00084	0.0010
Ammonia, Total (as N)	1.8	CCME	0.0500	0.050	0.040	0.037	0.050	0.043	0.043	0.041	0.040	0.041	0.041	0.042	0.049	0.046	0.042	0.050
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00043	0.00035	0.00032	0.00043	0.00037	0.00037	0.00035	0.00035	0.00035	0.00035	0.00036	0.00042	0.00040	0.00036	0.00043
Nitrite (as N)	0.06	CCME	0.01500	0.0150	0.0121	0.0109	0.0142	0.0107	0.0110	0.0100	0.0096	0.0099	0.0101	0.0108	0.0146	0.0139	0.0109	0.0146
Nitrate (as N)	3	CCME	0.030	0.03	0.02	0.02	0.03	0.04	0.04	0.04	0.042	0.04	0.04	0.04	0.030	0.03	0.039	0.04
Cyanide, WAD	0.005	PWQO [3]	0.00500	0.0050	0.0040	0.0036	0.0048	0.0037	0.0038	0.0035	0.0034	0.0035	0.0035	0.0038	0.0049	0.0046	0.0037	0.0049

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-34: Base Case Long-term Equilibrium Water Quality, Unnamed Waterbodies and Watercourses (UN-L6)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Chloride	120	CCME	4.7	5.2	4.0	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.0	4.1
Aluminum	0.9	FEQG	0.092	0.09	0.10	0.102	0.101	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.1	0.10	0.10
Antimony	0.02	iPWQO	0.00045	0.00045	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00042	0.00042	0.00042	0.00042	0.00042	0.00043	0.00043	0.00043
Arsenic	0.005	iPWQO	0.0033	0.003	0.0032	0.0032	0.0032	0.0032	0.0033	0.0033	0.0033	0.003	0.0032	0.0032	0.0032	0.0032	0.0032	0.003
Beryllium	0.011	PWQO	0.0000111	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.00001	0.000011	0.000011
Boron	1.5	CCME	0.0056	0.0059	0.0054	0.0055	0.0055	0.0055	0.0056	0.0056	0.0055	0.0055	0.0055	0.0055	0.0054	0.0054	0.0055	0.0056
Cadmium	0.000073	CCME	0.0000048	0.00001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Calcium	-	-	12.6	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Chromium	0.0089	iPWQO [2]	0.00054	0.0006	0.0006	0.0006	0.0006	0.00058	0.00059	0.00059	0.00059	0.00058	0.00058	0.00058	0.00059	0.0006	0.00059	0.0006
Cobalt	0.0009	iPWQO	0.000174	0.00018	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021
Copper	0.005	iPWQO	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Iron	0.8	FEQG	0.36	0.38	0.42	0.41	0.41	0.41	0.42	0.43	0.42	0.42	0.41	0.42	0.42	0.42	0.42	0.43
Lead	0.016	FEQG	0.000095	0.00010	0.00010	0.00010	0.000095	0.000095	0.000095	0.00010	0.00010	0.00009	0.00009	0.00010	0.000096	0.00010	0.00010	0.0001
Magnesium	-	-	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.2
Manganese	-	-	0.0477	0.057	0.0445	0.0450	0.046	0.046	0.047	0.048	0.047	0.046	0.045	0.044	0.0440	0.0442	0.045	0.048
Mercury	0.000026	CCME	0.0000029	0.0000030	0.0000032	0.0000032	0.00000318	0.00000319	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032	0.0000032
Molybdenum	31	SEQG	0.00019	0.00020	0.00021	0.00021	0.00021	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022
Nickel	0.025	CCME	0.0006	0.0006	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Phosphorus	0.02	iPWQO	0.021	0.021	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Potassium	-	-	1.3	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Selenium	0.002	BC WQG	0.000123	0.0001	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013
Silver	0.00025	CCME	0.0000250	0.000025	0.000023	0.000023	0.000024	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000024
Thallium	0.008	CCME	0.0000048	0.0000050	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000052	0.000005	0.0000051	0.000005
Tungsten	0.03	iPWQO	0.000026	0.000028	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000032	0.00003	0.00003	0.00003	0.000033	0.00003	0.00003	0.00003
Uranium	0.015	CCME	0.000065	0.00007	0.00009	0.00009	0.00009	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00009	0.00010	0.00010
Vanadium	0.12	FEQG	0.00050	0.0005	0.00057	0.00056	0.00056	0.00056	0.00057	0.00058	0.00057	0.0006	0.0006	0.00057	0.00058	0.0006	0.00057	0.0006
Zinc	0.03	CCME	0.0019	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.002	0.0020	0.002
Zirconium	0.004	iPWQO	0.00100	0.0010	0.0010	0.00096	0.00096	0.00096	0.00096	0.00095	0.00095	0.00095	0.00095	0.00095	0.00095	0.0010	0.00095	0.0010
Ammonia, Total (as N)	1.8	CCME	0.1170	0.164	0.090	0.093	0.096	0.098	0.100	0.101	0.100	0.097	0.093	0.089	0.087	0.088	0.095	0.101
Ammonia, Unionized (as N)	0.019	CCME	0.00101	0.00141	0.00077	0.00080	0.00083	0.00085	0.00086	0.00087	0.00086	0.00083	0.00080	0.00077	0.00075	0.00075	0.00081	0.00087
Nitrite (as N)	0.06	CCME	0.01500	0.0150	0.0138	0.0139	0.0139	0.0139	0.0137	0.0137	0.0137	0.0137	0.0136	0.0136	0.0136	0.0137	0.0137	0.0139
Nitrate (as N)	3	CCME	0.029	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.032	0.03	0.03	0.03	0.032	0.03	0.032	0.03
Cyanide, WAD	0.005	PWQO [3]	0.00411	0.0043	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0039	0.0039	0.0039	0.0040	0.0040	0.0040

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-35: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-3)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Chloride	120	CCME	5.1	5.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.5
Aluminum	0.9	FEQG	0.075	0.08	0.09	0.090	0.090	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.1	0.09	0.09
Antimony	0.02	iPWQO	0.00045	0.00045	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044	0.00044
Arsenic	0.005	iPWQO	0.0031	0.003	0.0031	0.0031	0.0032	0.0032	0.0032	0.0032	0.0032	0.003	0.0032	0.0032	0.0031	0.0031	0.0032	0.003
Beryllium	0.011	PWQO	0.0000107	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.00001	0.000011	0.000011
Boron	1.5	CCME	0.0057	0.0060	0.0055	0.0055	0.0056	0.0056	0.0056	0.0057	0.0056	0.0056	0.0056	0.0056	0.0055	0.0055	0.0056	0.0057
Cadmium	0.000073	CCME	0.0000041	0.00000	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Calcium	-	-	12.5	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Chromium	0.0089	iPWQO [2]	0.00045	0.0005	0.0005	0.0005	0.0005	0.00053	0.00053	0.00054	0.00054	0.00053	0.00053	0.00053	0.00053	0.0005	0.00053	0.0005
Cobalt	0.0009	iPWQO	0.000125	0.00013	0.00017	0.00017	0.00017	0.00017	0.00017	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00017	0.00018	0.00018
Copper	0.005	iPWQO	0.0006	0.0006	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Iron	0.8	FEQG	0.29	0.31	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Lead	0.016	FEQG	0.000089	0.00009	0.00009	0.00009	0.000093	0.000093	0.000092	0.00009	0.00009	0.00009	0.00009	0.00009	0.000093	0.00009	0.00009	0.0001
Magnesium	-	-	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2
Manganese	-	-	0.0454	0.056	0.0437	0.0441	0.045	0.045	0.047	0.048	0.047	0.046	0.045	0.044	0.0438	0.0435	0.045	0.048
Mercury	0.000026	CCME	0.0000026	0.0000027	0.0000030	0.0000030	0.00000296	0.00000296	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030	0.0000030
Molybdenum	31	SEQG	0.00019	0.00019	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021	0.00021
Nickel	0.025	CCME	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
Phosphorus	0.03	iPWQO	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Potassium	-	-	1.4	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Selenium	0.002	BC WQG	0.000119	0.0001	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000250	0.000025	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024	0.000024
Thallium	0.008	CCME	0.0000046	0.0000048	0.0000049	0.0000049	0.0000049	0.0000049	0.0000048	0.0000048	0.0000048	0.0000049	0.0000049	0.0000049	0.0000049	0.000005	0.0000049	0.000005
Tungsten	0.03	iPWQO	0.000025	0.000027	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.000029	0.00003	0.00003	0.00003	0.000030	0.00003	0.00003	0.00003
Uranium	0.015	CCME	0.000063	0.00007	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008	0.00008
Vanadium	0.12	FEQG	0.00044	0.0004	0.00052	0.00052	0.00052	0.00051	0.00052	0.00052	0.00052	0.0005	0.0005	0.00052	0.00052	0.0005	0.00052	0.0005
Zinc	0.03	CCME	0.0017	0.0017	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.002	0.0019	0.002
Zirconium	0.004	iPWQO	0.00100	0.0010	0.0010	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.0010	0.00097	0.0010
Ammonia, Total (as N)	1.8	CCME	0.1320	0.177	0.103	0.105	0.108	0.111	0.116	0.119	0.117	0.113	0.109	0.105	0.103	0.102	0.109	0.119
Ammonia, Unionized (as N)	0.019	CCME	0.00113	0.00152	0.00089	0.00090	0.00093	0.00095	0.00100	0.00102	0.00100	0.00097	0.00094	0.00091	0.00088	0.00088	0.00093	0.00102
Nitrite (as N)	0.06	CCME	0.01500	0.0150	0.0142	0.0143	0.0143	0.0143	0.0143	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0143
Nitrate (as N)	3	CCME	0.028	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.031	0.03	0.03	0.03	0.030	0.03	0.030	0.03
Cyanide, WAD	0.005	PWQO [3]	0.00393	0.0042	0.0039	0.0039	0.0039	0.0040	0.0040	0.0040	0.0040	0.0040	0.0039	0.0039	0.0039	0.0039	0.0039	0.0040

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-36: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-4)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.9	2.0	10.4	10.5	10.5	10.5	10.4	10.4	10.6	10.8	10.9	10.9	10.6	10.4	10.5	10.9
Chloride	120	CCME	20.8	23.6	19.9	19.9	19.8	20.0	20.4	20.6	20.5	20.4	20.3	20.2	20.0	19.9	20.2	20.6
Aluminum	0.56	FEQG	0.073	0.08	0.06	0.063	0.063	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.1	0.06	0.06
Antimony	0.02	iPWQO	0.00026	0.00029	0.00061	0.00061	0.00062	0.00062	0.00061	0.00062	0.00062	0.00063	0.00063	0.00063	0.00062	0.00061	0.00062	0.00063
Arsenic	0.005	iPWQO	0.0023	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.002
Beryllium	0.011	PWQO	0.0000100	0.000010	0.000016	0.000016	0.000016	0.000016	0.000016	0.000016	0.000017	0.000017	0.000017	0.000017	0.000017	0.00002	0.000016	0.000017
Boron	1.5	CCME	0.0050	0.0050	0.0128	0.0128	0.0129	0.0129	0.0127	0.0127	0.0129	0.0131	0.0132	0.0132	0.0130	0.0128	0.0128	0.0132
Cadmium	0.00007	CCME	0.0000037	0.00000	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007	0.000007
Calcium	-	-	14.9	15	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Chromium	0.0089	iPWQO [2]	0.00058	0.0006	0.0009	0.0009	0.0009	0.00086	0.00085	0.00085	0.00086	0.00087	0.00087	0.00087	0.00087	0.0009	0.00086	0.0009
Cobalt	0.0009	iPWQO	0.000288	0.00029	0.00056	0.00056	0.00056	0.00056	0.00056	0.00056	0.00057	0.00057	0.00058	0.00058	0.00057	0.00056	0.00056	0.00058
Copper	0.005	iPWQO	0.0006	0.0006	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Iron	0.79	FEQG	1.26	1.28	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.07	1.07	1.07	1.07	1.08	1.07	1.09
Lead	0.015	FEQG	0.000052	0.00005	0.00005	0.00005	0.000046	0.000046	0.000047	0.00005	0.00005	0.00005	0.00005	0.00005	0.000047	0.00005	0.00005	0.0000
Magnesium	-	-	3.1	3.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Manganese	-	-	0.0445	0.045	0.0551	0.0551	0.055	0.055	0.055	0.055	0.055	0.055	0.056	0.056	0.0554	0.0551	0.055	0.056
Mercury	0.000026	CCME	0.0000021	0.0000021	0.0000055	0.0000055	0.00000550	0.00000550	0.0000055	0.0000055	0.0000055	0.0000056	0.0000057	0.0000056	0.0000056	0.0000055	0.0000055	0.0000057
Molybdenum	31	SEQG	0.00037	0.00037	0.00135	0.00136	0.00136	0.00136	0.00135	0.00135	0.00137	0.00139	0.00140	0.00140	0.00137	0.00135	0.00136	0.00140
Nickel	0.025	CCME	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
Phosphorus	0.03	iPWQO	0.025	0.026	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.024	0.025
Potassium	-	-	1.0	1.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.1
Selenium	0.002	BC WQG	0.000064	0.0001	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00032	0.00033	0.00033	0.00033	0.00033	0.00032	0.00032	0.00033
Silver	0.00025	CCME	0.0000130	0.000015	0.000031	0.000032	0.000032	0.000032	0.000032	0.000032	0.000032	0.000032	0.000033	0.000033	0.000032	0.000031	0.000032	0.000033
Thallium	0.008	CCME	0.0000040	0.0000042	0.0000068	0.0000068	0.0000068	0.0000068	0.0000068	0.0000068	0.0000069	0.0000069	0.0000070	0.0000070	0.0000069	0.000007	0.0000068	0.000007
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.000272	0.00028	0.00028	0.00028	0.000273	0.00027	0.00027	0.00028
Uranium	0.015	CCME	0.000151	0.00015	0.00062	0.00062	0.00062	0.00062	0.00061	0.00061	0.00062	0.00063	0.00064	0.00064	0.00063	0.00062	0.00062	0.00064
Vanadium	0.12	FEQG	0.00060	0.0006	0.00145	0.00145	0.00146	0.00145	0.00144	0.00144	0.00146	0.0015	0.0015	0.00149	0.00147	0.0015	0.00145	0.0015
Zinc	0.03	CCME	0.0015	0.0015	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0023	0.0023	0.0023	0.0023	0.0023	0.002	0.0022	0.002
Zirconium	0.004	iPWQO	0.00075	0.0008	0.0014	0.00135	0.00135	0.00136	0.00135	0.00136	0.00137	0.00138	0.00139	0.00139	0.00137	0.0014	0.00136	0.0014
Ammonia, Total (as N)	1.8	CCME	0.0405	0.042	0.061	0.062	0.063	0.064	0.062	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.061	0.071
Ammonia, Unionized (as N)	0.019	CCME	0.00035	0.00036	0.00053	0.00054	0.00055	0.00055	0.00053	0.00052	0.00052	0.00052	0.00052	0.00052	0.00051	0.00052	0.00052	0.00061
Nitrite (as N)	0.06	CCME	0.00767	0.0086	0.0075	0.0075	0.0075	0.0075	0.0077	0.0077	0.0077	0.0077	0.0077	0.0076	0.0076	0.0075	0.0076	0.0084
Nitrate (as N)	3	CCME	0.091	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.091	0.09	0.09	0.09	0.089	0.09	0.090	0.09
Cyanide, WAD	0.005	PWQO [3]	0.00299	0.0032	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-37: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Chloride	120	CCME	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Aluminum	1	FEQG	0.035	0.04	0.02	0.018	0.018	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0	0.02	0.02
Antimony	0.02	iPWQO	0.00005	0.00005	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006
Arsenic	0.005	iPWQO	0.0020	0.002	0.0020	0.0019	0.0019	0.0019	0.0020	0.0020	0.0020	0.002	0.0020	0.0020	0.0020	0.0020	0.0020	0.002
Beryllium	0.011	PWQO	0.0000100	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.00001	0.000010	0.000010
Boron	1.5	CCME	0.0050	0.0050	0.0053	0.0053	0.0053	0.0053	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0053	0.0053	0.0052	0.0053
Cadmium	0.00007	CCME	0.0000034	0.00000	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003	0.000003
Calcium	-	-	10.1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Chromium	0.0089	iPWQO [2]	0.00027	0.0003	0.0003	0.0003	0.0003	0.00026	0.00026	0.00027	0.00026	0.00026	0.00026	0.00026	0.00027	0.0003	0.00026	0.0003
Cobalt	0.0009	iPWQO	0.000072	0.00008	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00006	0.00006	0.00007	0.00007	0.00007	0.00007	0.00007
Copper	0.005	iPWQO	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Iron	0.8	FEQG	0.22	0.23	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Lead	0.016	FEQG	0.000047	0.00005	0.00003	0.00003	0.000030	0.000030	0.000033	0.00003	0.00003	0.00003	0.00003	0.00003	0.000033	0.00003	0.00003	0.0000
Magnesium	-	-	2.5	2.6	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4
Manganese	-	-	0.0125	0.013	0.0123	0.0123	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.0124	0.0124	0.012	0.012
Mercury	0.000026	CCME	0.0000008	0.0000008	0.0000007	0.0000007	0.00000073	0.00000072	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007	0.0000007
Molybdenum	31	SEQG	0.00013	0.00013	0.00015	0.00015	0.00015	0.00015	0.00014	0.00014	0.00014	0.00014	0.00014	0.00015	0.00015	0.00015	0.00015	0.00015
Nickel	0.025	CCME	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Phosphorus	0.03	iPWQO	0.023	0.024	0.018	0.018	0.018	0.018	0.019	0.019	0.018	0.018	0.018	0.018	0.019	0.019	0.018	0.019
Potassium	-	-	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Selenium	0.002	BC WQG	0.000083	0.0001	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00008	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
Silver	0.00025	CCME	0.0000050	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006	0.000006
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.000005	0.0000051	0.000005
Tungsten	0.03	iPWQO	0.000050	0.000050	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.000056	0.00006	0.00006	0.00006	0.000057	0.00006	0.00006	0.00006
Uranium	0.015	CCME	0.000070	0.00008	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006
Vanadium	0.12	FEQG	0.00039	0.0004	0.00032	0.00031	0.00031	0.00031	0.00032	0.00033	0.00032	0.0003	0.0003	0.00032	0.00032	0.0003	0.00032	0.0003
Zinc	0.03	CCME	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.002	0.0015	0.002
Zirconium	0.004	iPWQO	0.00014	0.0001	0.0001	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00014	0.0001	0.00013	0.0001
Ammonia, Total (as N)	1.8	CCME	0.0167	0.017	0.021	0.021	0.021	0.021	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
Ammonia, Unionized (as N)	0.019	CCME	0.00014	0.00015	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018	0.00018
Nitrite (as N)	0.06	CCME	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Nitrate (as N)	3	CCME	0.009	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.010	0.01	0.01	0.01	0.010	0.01	0.010	0.01
Cyanide, WAD	0.005	PWQO [3]	0.00058	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table E-38: Base Case Long-term Equilibrium Water Quality, Small Unnamed Waterbodies and Watercourses (UN-6)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	128	BC WQG	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Chloride	120	CCME	25.5	25.5	26	26	26	26	26	26	26	26	26	26	26	26	26	26
Aluminum	0.25	FEQG	0.912	0.91	0.91	0.912	0.912	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.9	0.91	0.91
Antimony	0.02	iPWQO	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020
Arsenic	0.005	iPWQO	0.0039	0.004	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.004	0.0039	0.0039	0.0039	0.0039	0.0039	0.004
Beryllium	0.011	PWQO	0.0000457	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.000046	0.00005	0.000046	0.000046
Boron	1.5	CCME	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Cadmium	0.000056	CCME	0.0000148	0.00001	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015	0.000015
Calcium	-	-	7.3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Chromium	0.0089	iPWQO [2]	0.00157	0.0016	0.0016	0.0016	0.0016	0.00157	0.00157	0.00157	0.00157	0.00157	0.00157	0.00157	0.00157	0.0016	0.00157	0.0016
Cobalt	0.0009	iPWQO	0.000600	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060	0.00060
Copper	0.005	iPWQO	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Iron	0.69	FEQG	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Lead	0.019	FEQG	0.000256	0.00026	0.00026	0.00026	0.000256	0.000256	0.000256	0.00026	0.00026	0.00026	0.00026	0.00026	0.000256	0.00026	0.00026	0.0003
Magnesium	-	-	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Manganese	-	-	0.0338	0.034	0.0338	0.0338	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.034	0.0338	0.0338	0.034	0.034
Mercury	0.000026	CCME	0.0000078	0.0000078	0.0000078	0.0000078	0.00000780	0.00000780	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078	0.0000078
Molybdenum	31	SEQG	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
Nickel	0.025	CCME	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Phosphorus	0.03	iPWQO	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Potassium	-	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Selenium	0.002	BC WQG	0.000150	0.0001	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
Silver	0.00025	CCME	0.0000050	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Thallium	0.008	CCME	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.0000103	0.000010	0.0000103	0.000010
Tungsten	0.03	iPWQO	0.000067	0.000067	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.000067	0.00007	0.00007	0.00007	0.000067	0.00007	0.00007	0.00007
Uranium	0.015	CCME	0.000353	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035	0.00035
Vanadium	0.12	FEQG	0.00149	0.0015	0.00149	0.00149	0.00149	0.00149	0.00149	0.00149	0.00149	0.0015	0.0015	0.00149	0.00149	0.0015	0.00149	0.0015
Zinc	0.03	CCME	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.003	0.0031	0.003
Zirconium	0.004	iPWQO	0.00088	0.0009	0.0009	0.00088	0.00088	0.00088	0.00088	0.00088	0.00088	0.00088	0.00088	0.00088	0.00088	0.0009	0.00088	0.0009
Ammonia, Total (as N)	1.8	CCME	0.0254	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Ammonia, Unionized (as N)	0.019	CCME	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022	0.00022
Nitrite (as N)	0.06	CCME	0.00050	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Nitrate (as N)	3	CCME	0.015	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.015	0.02	0.02	0.02	0.015	0.02	0.02
Cyanide, WAD	0.005	PWQO [3]	0.00143	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Appendix F
Base Case Model,
Timeseries Results Graphs

Figure F-1: Receiver Water Quality Results, Base Case, Chukuni River (CHK-1)

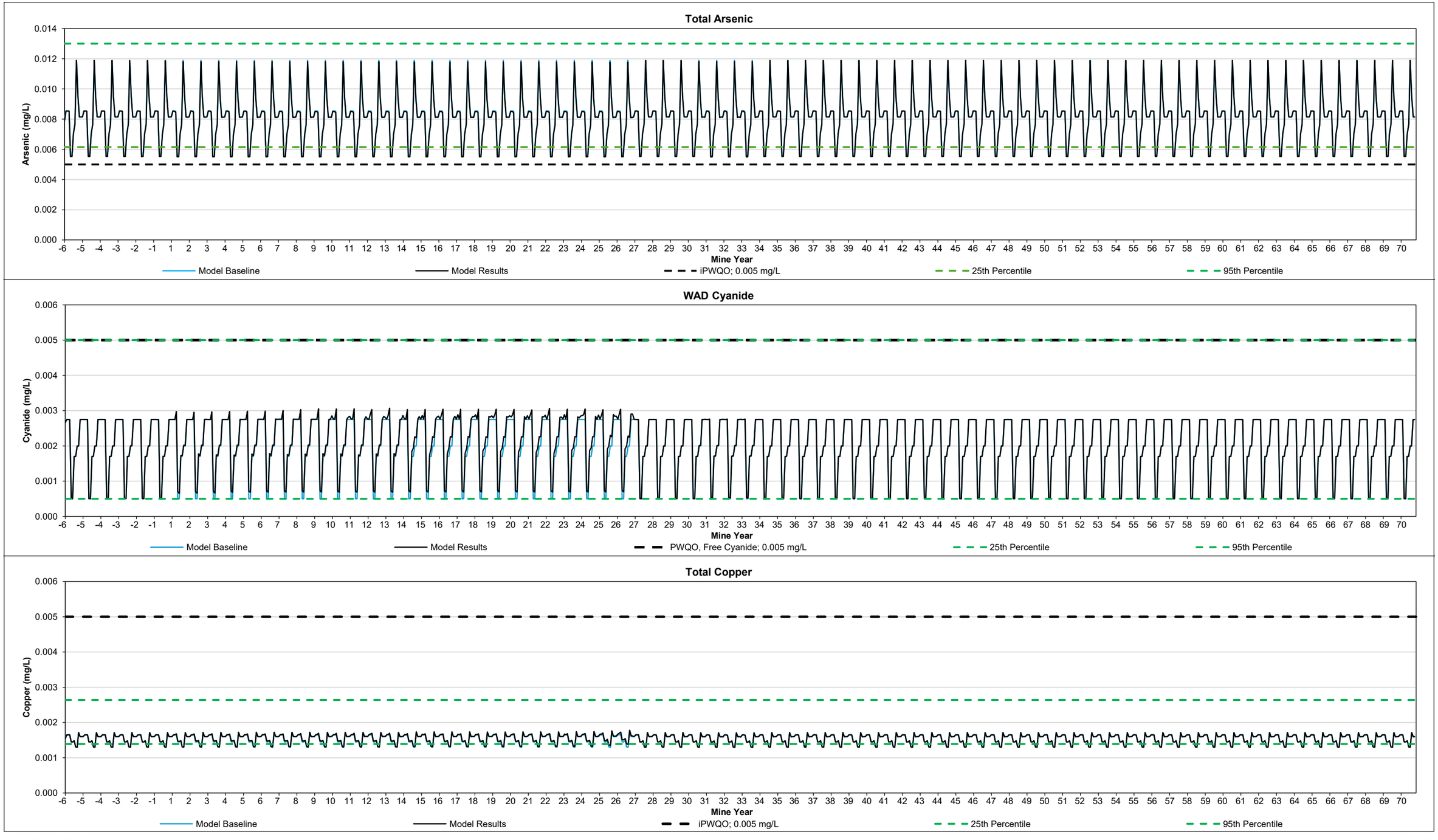
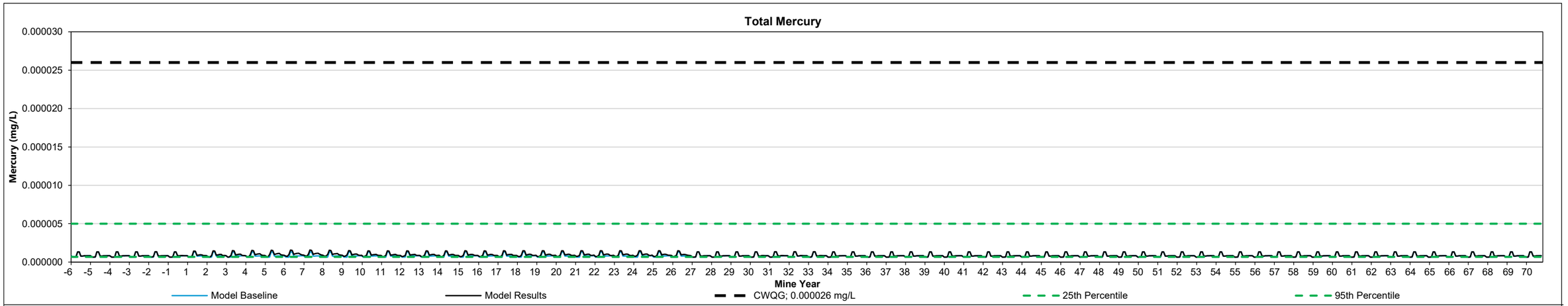
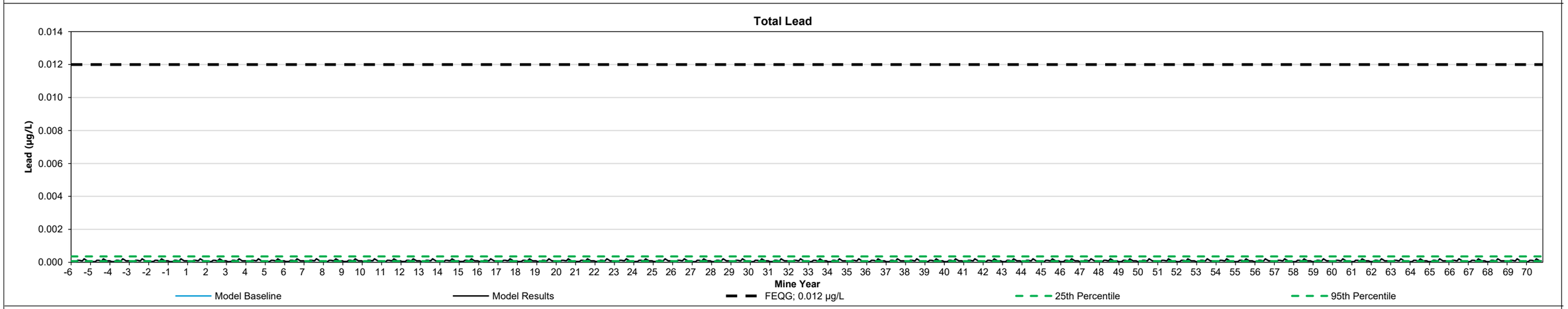


Figure F-1: Receiver Water Quality Results, Base Case, Chukuni River (CHK-1) (continued)





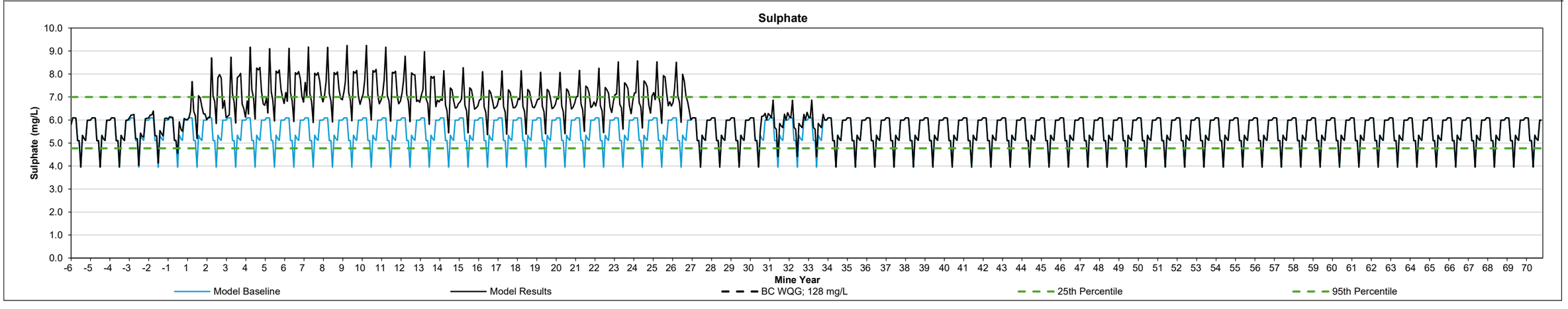


Figure F-1: Receiver Water Quality Results, Base Case, Chukuni River (CHK-1) (continued)

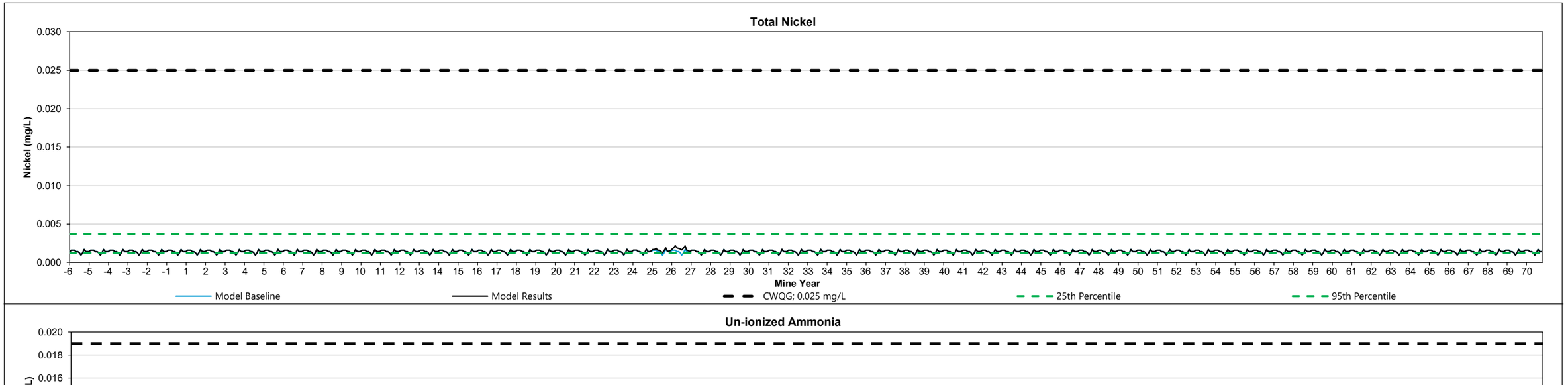
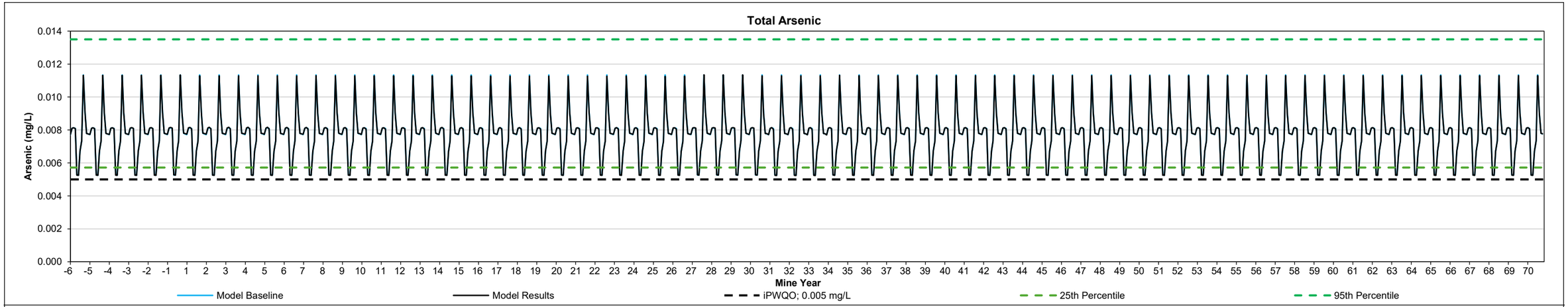
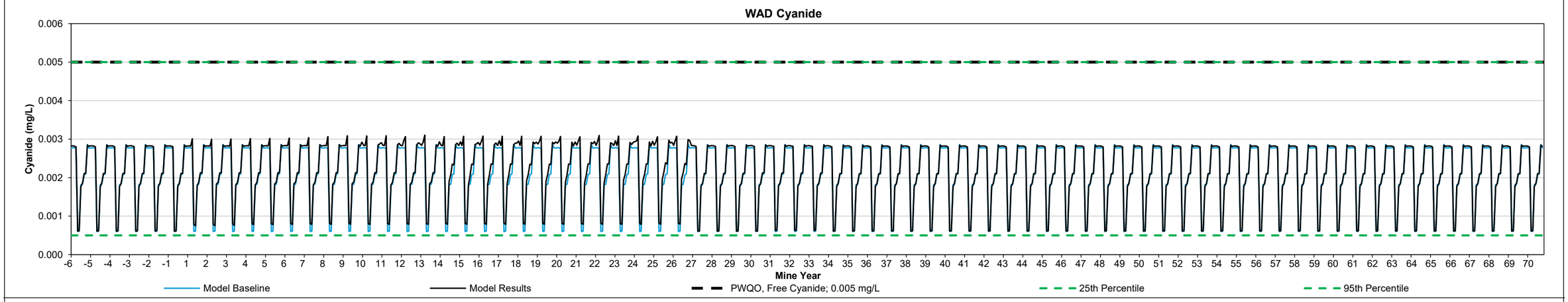


Figure F-2: Receiver Water Quality Results, Base Case, Chukuni River (CHK-2)





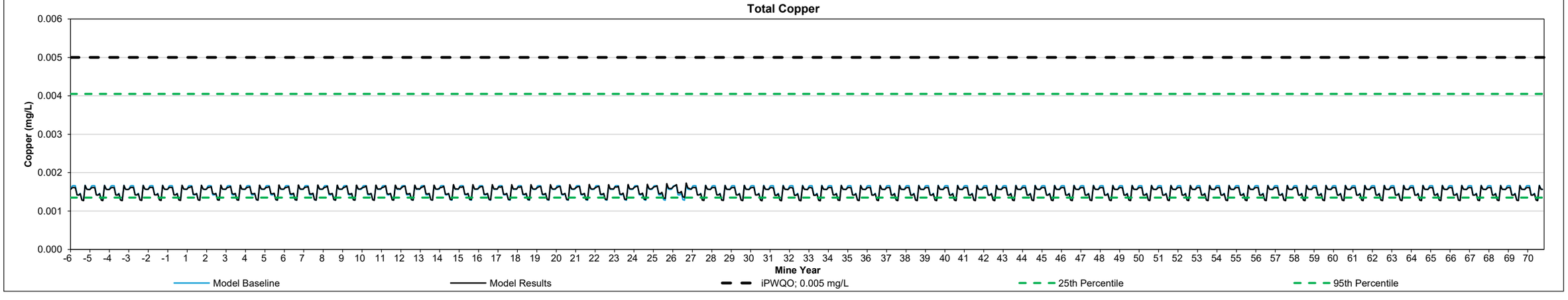
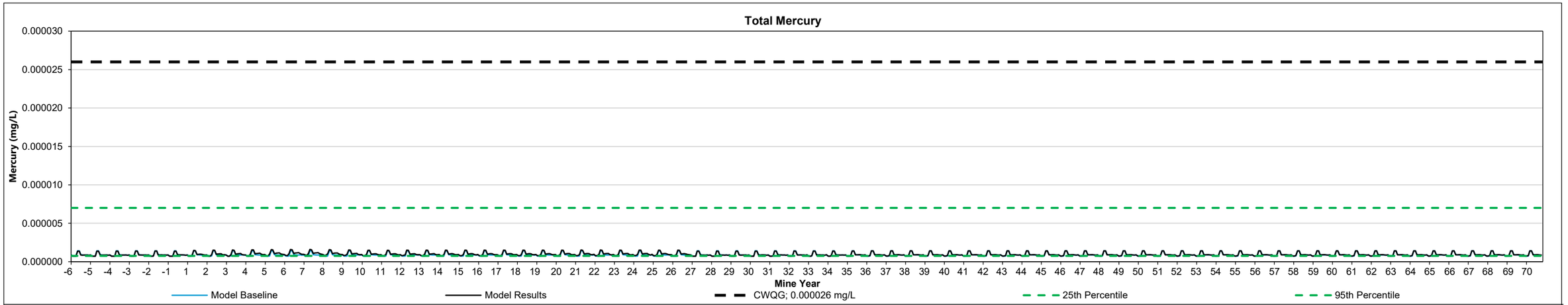
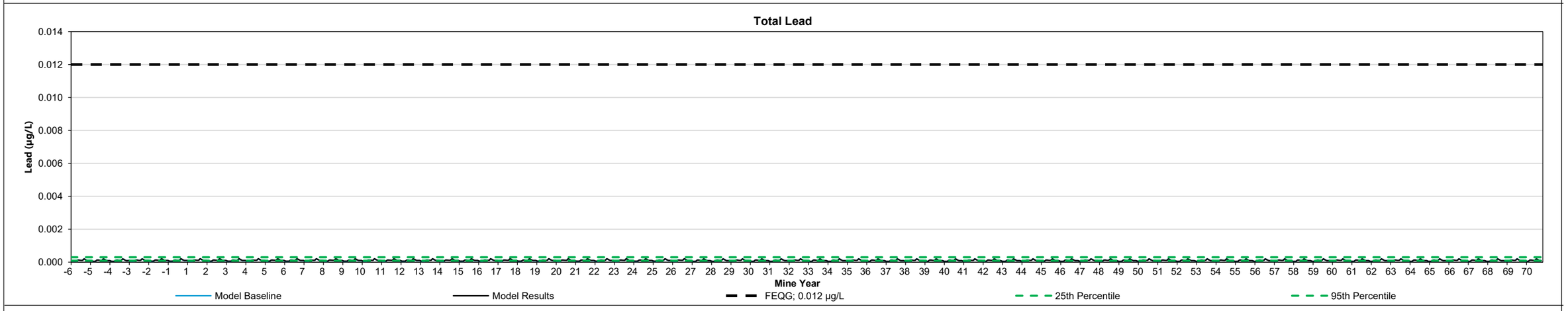


Figure F-2: Receiver Water Quality Results, Base Case, Chukuni River (CHK-2) (continued)





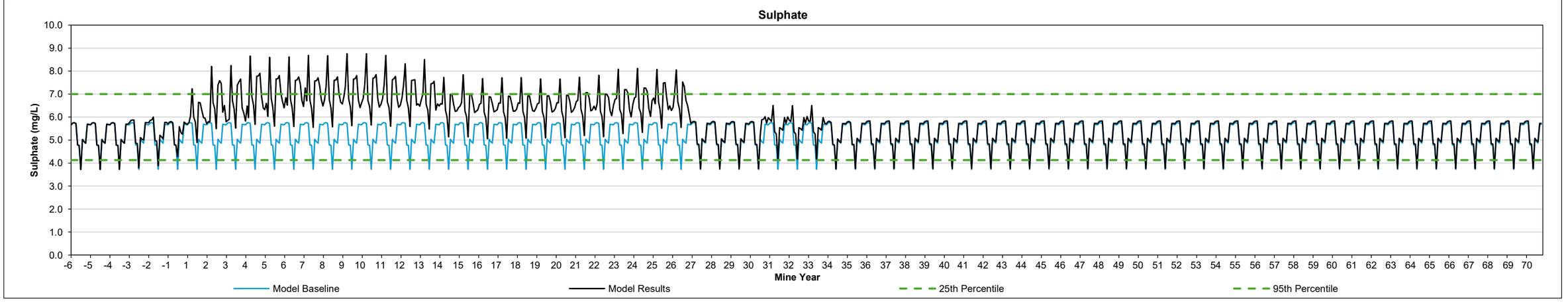
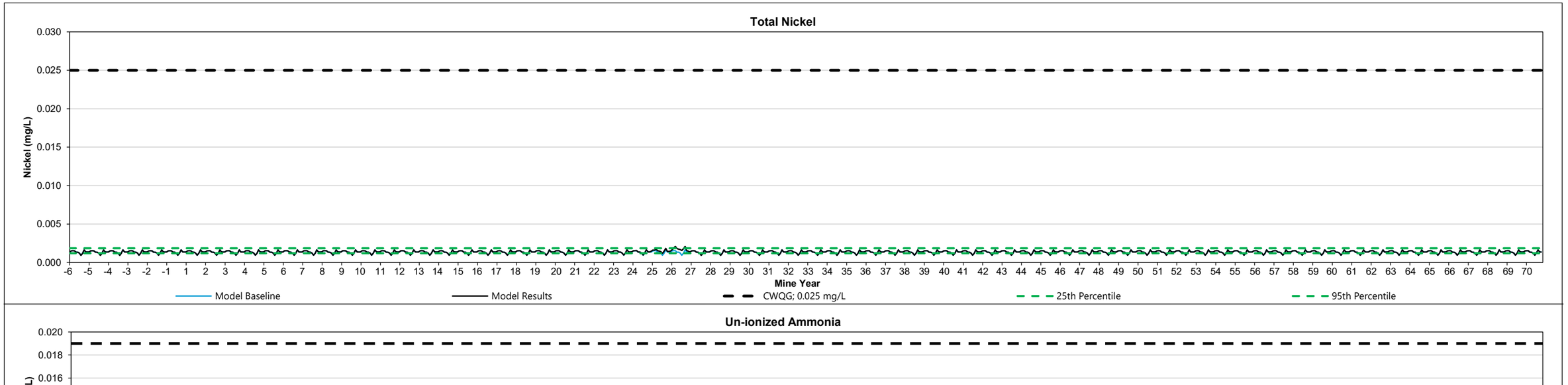
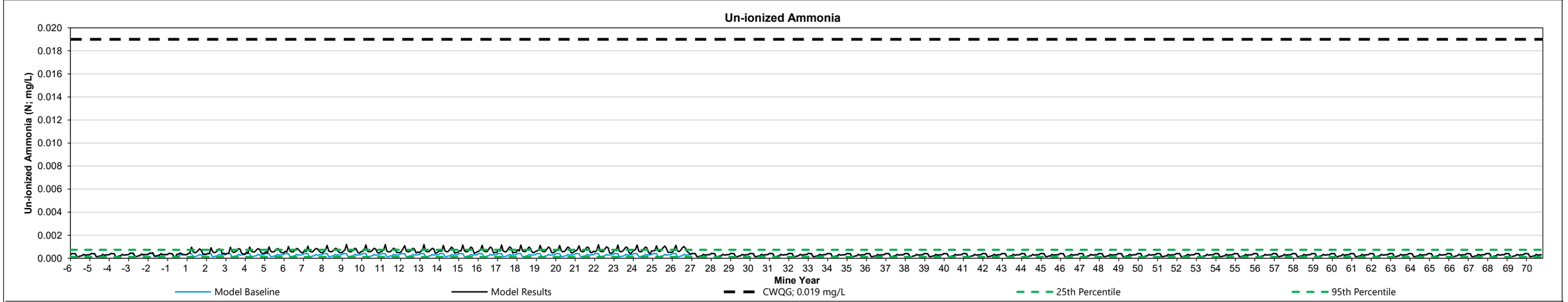


Figure F-2: Receiver Water Quality Results, Base Case, Chukuni River (CHK-2) (continued)





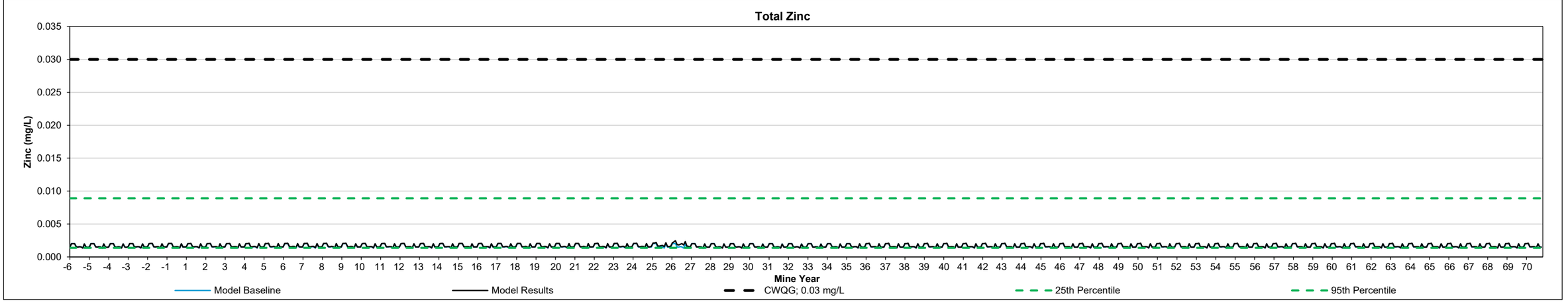


Figure F-3: Surface Water Quality Results, Base Case, Dixie Lake (DIX-1)

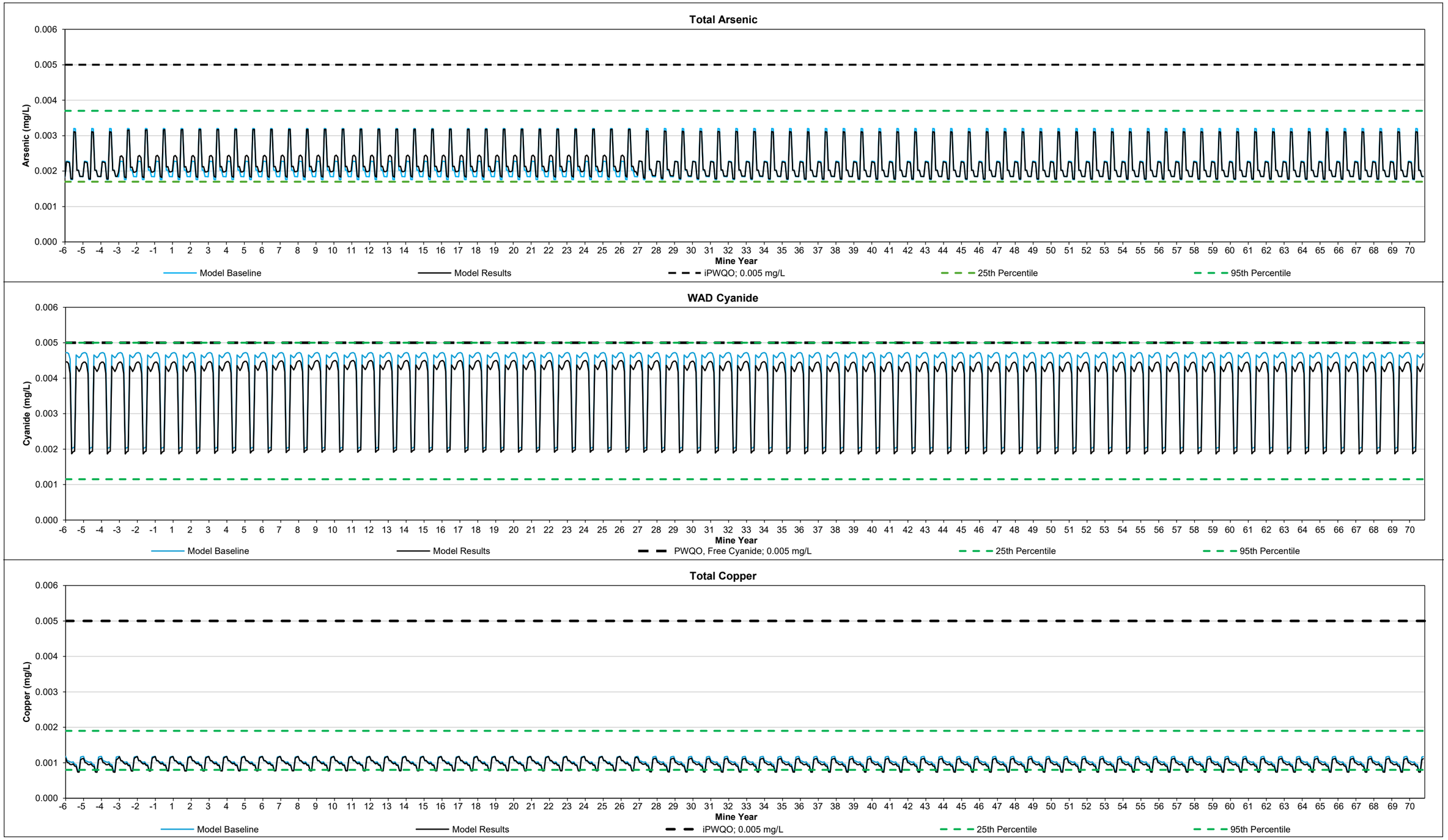
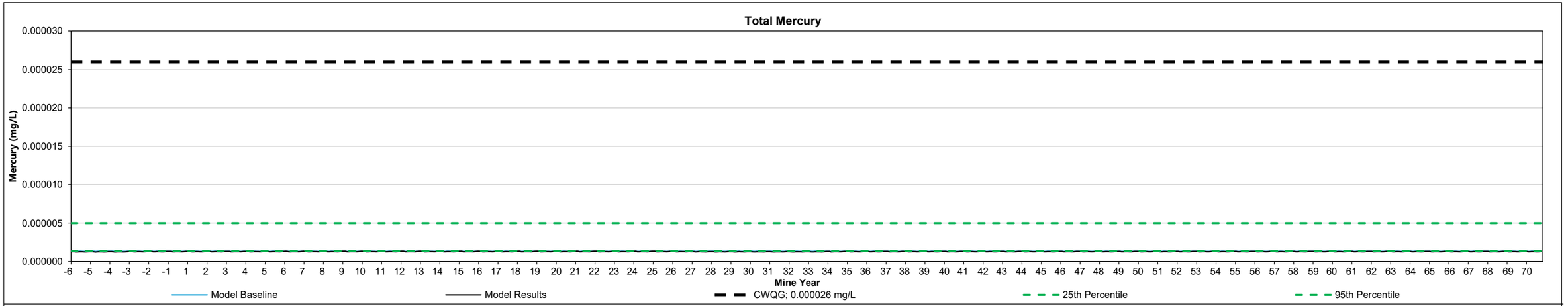
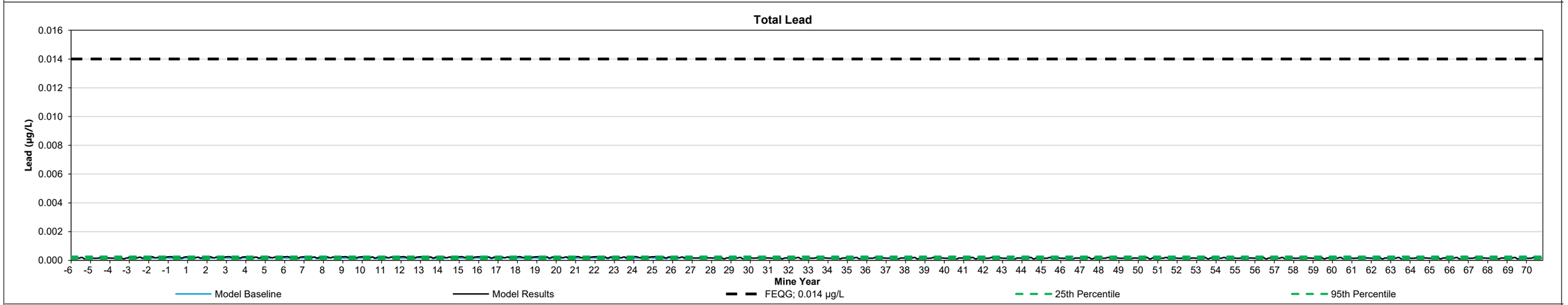


Figure F-3: Surface Water Quality Results, Base Case, Dixie Lake (DIX-1) (continued)





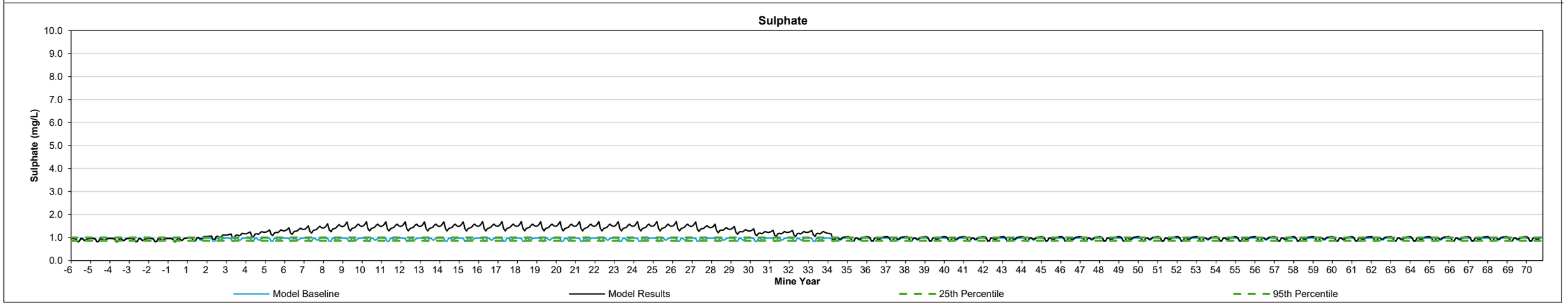
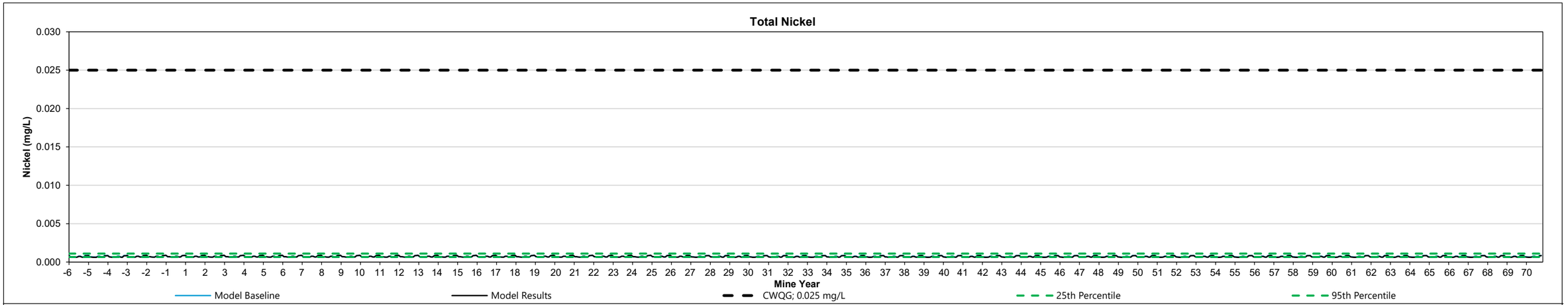
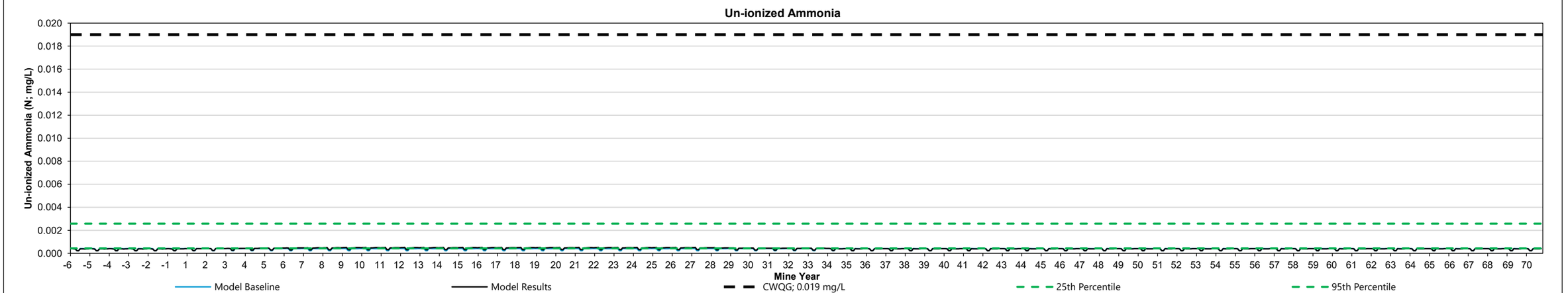


Figure F-3: Surface Water Quality Results, Base Case, Dixie Lake (DIX-1) (continued)





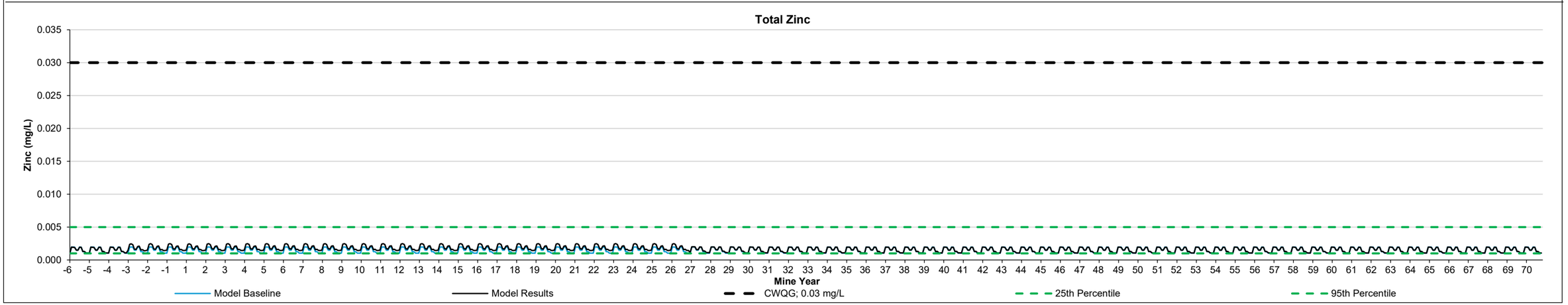


Figure F-4: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-2)

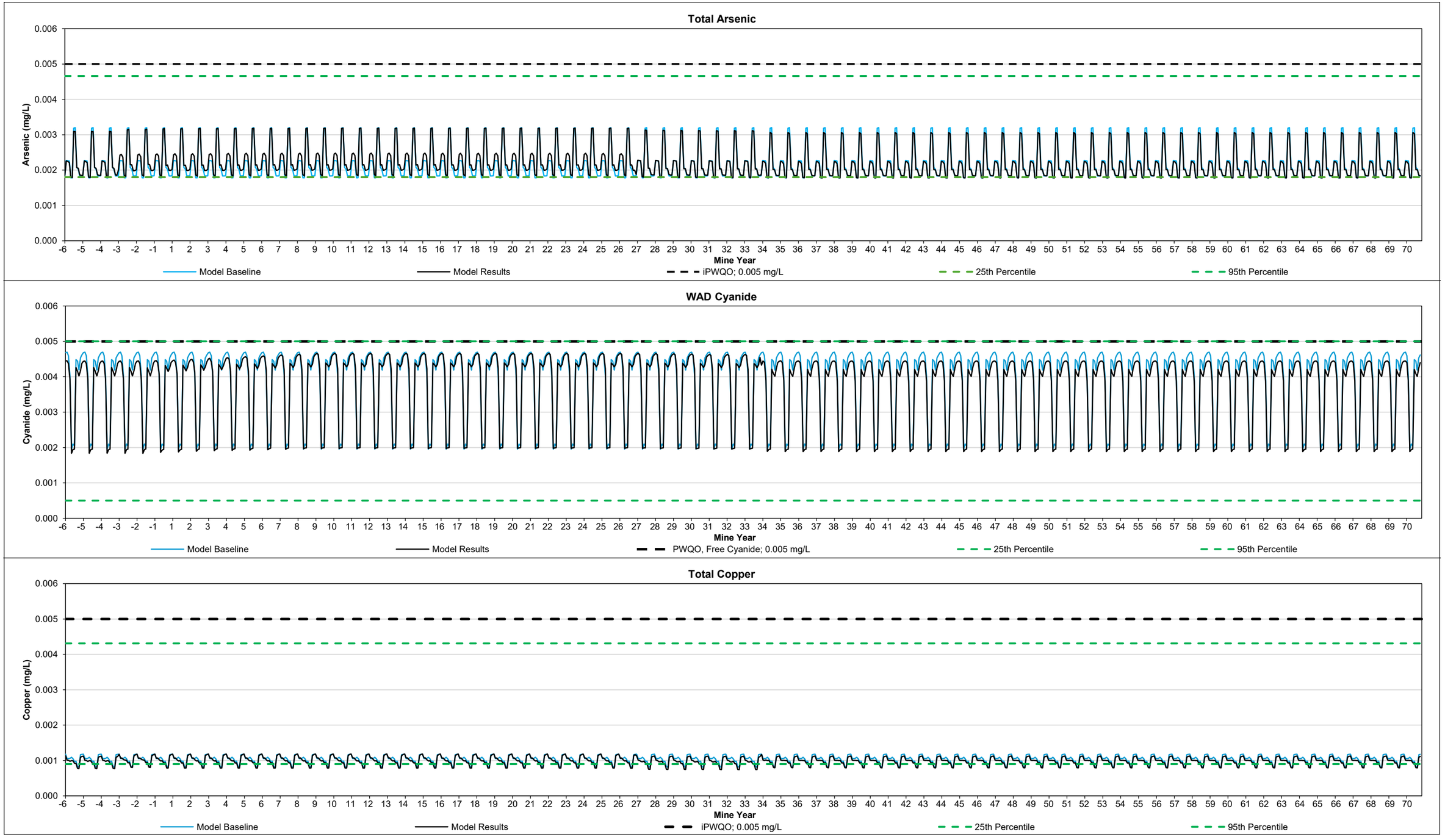
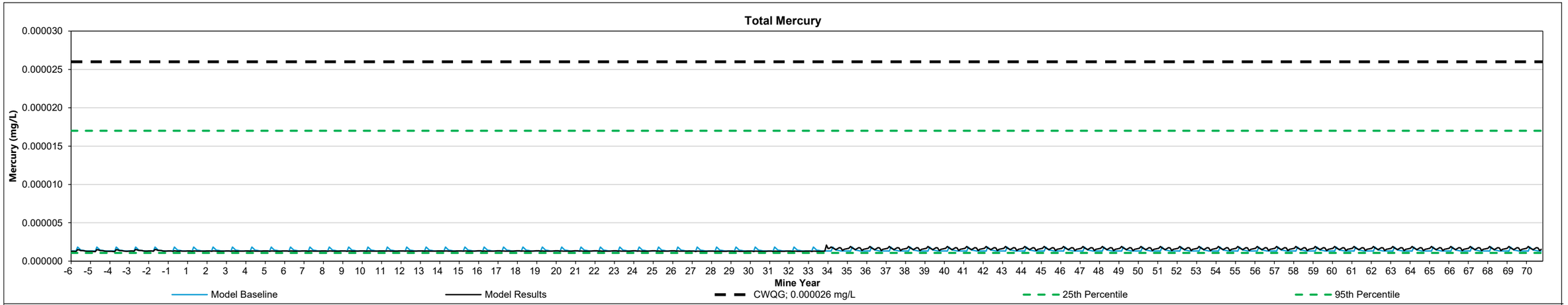
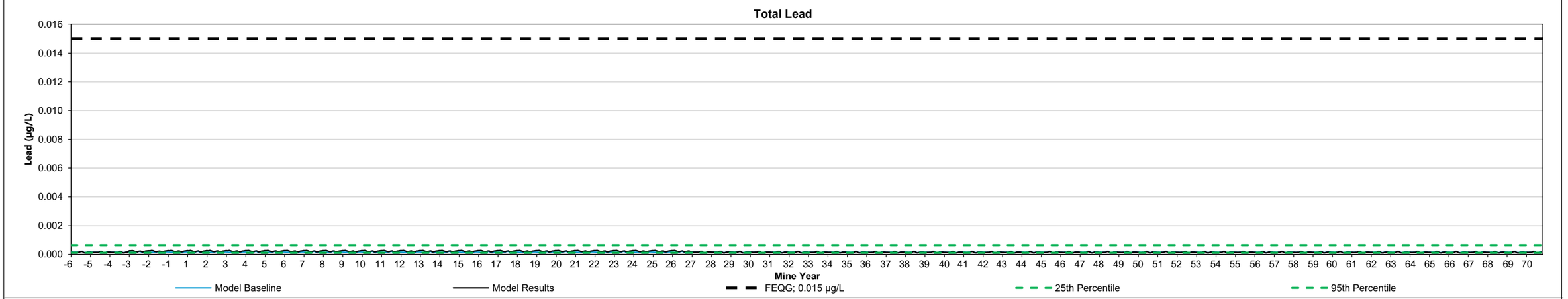


Figure F-4: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-2) (continued)





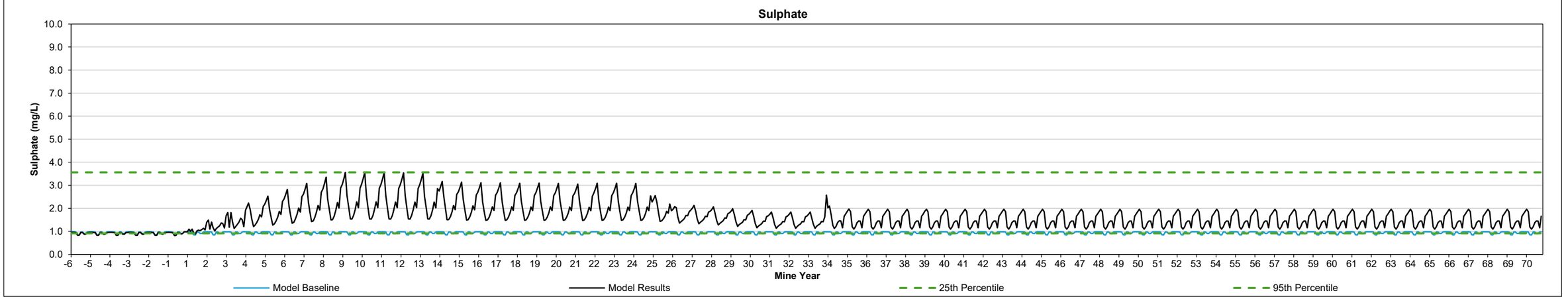
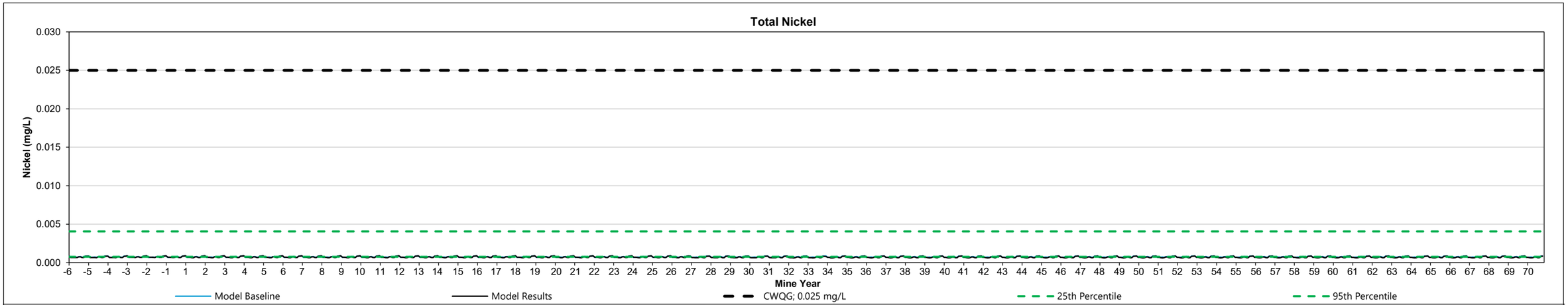
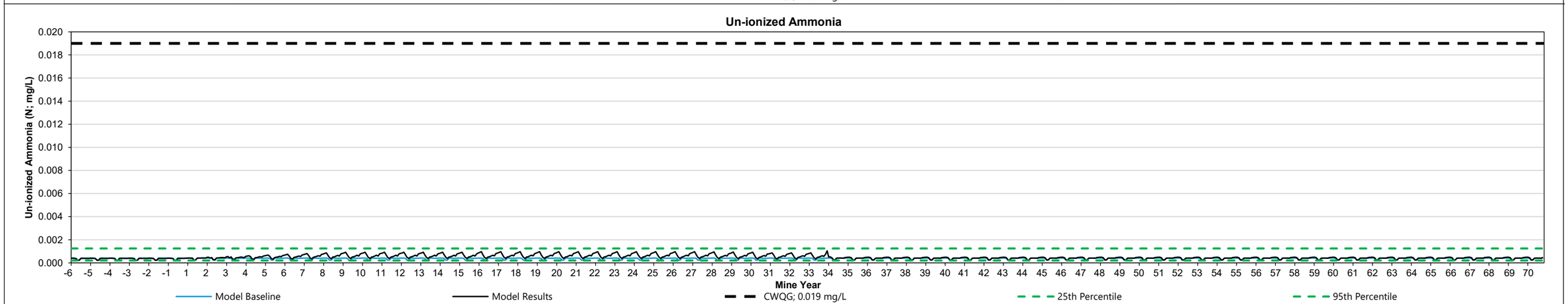


Figure F-4: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-2) (continued)





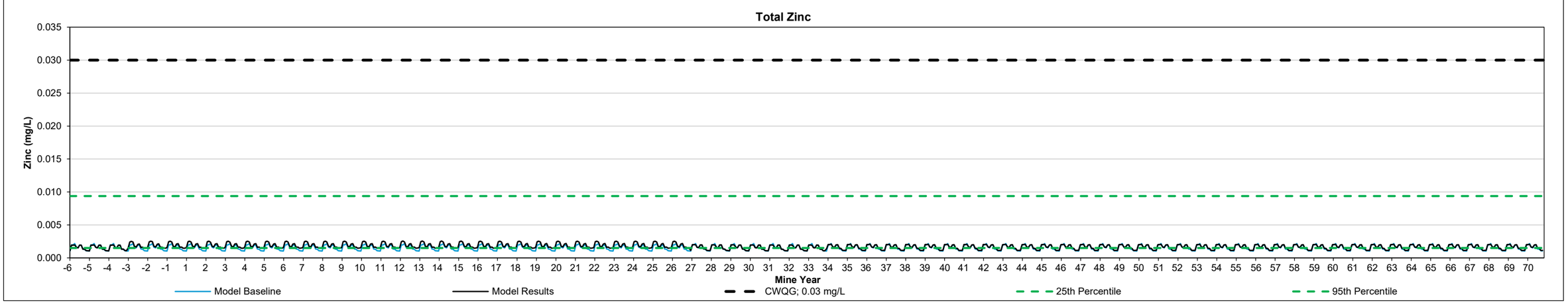


Figure F-5: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-3)

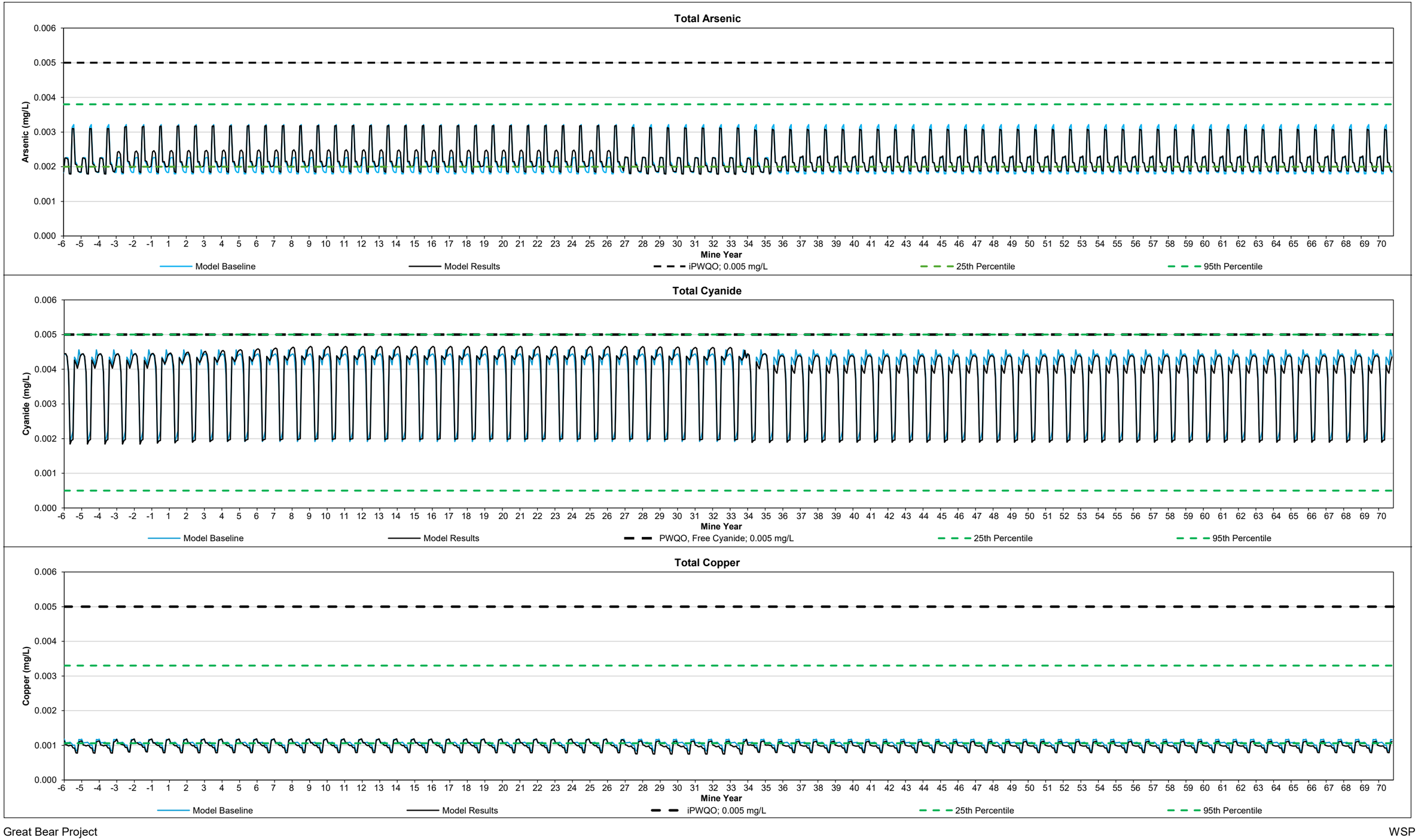
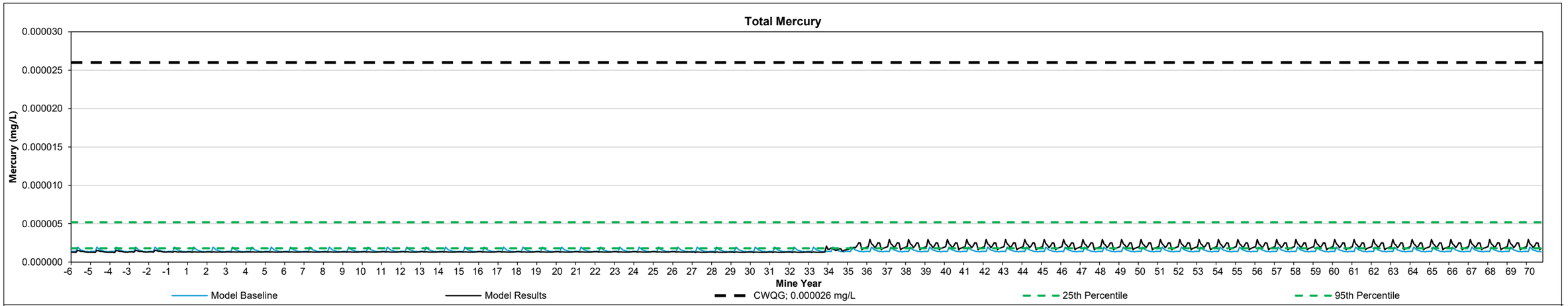
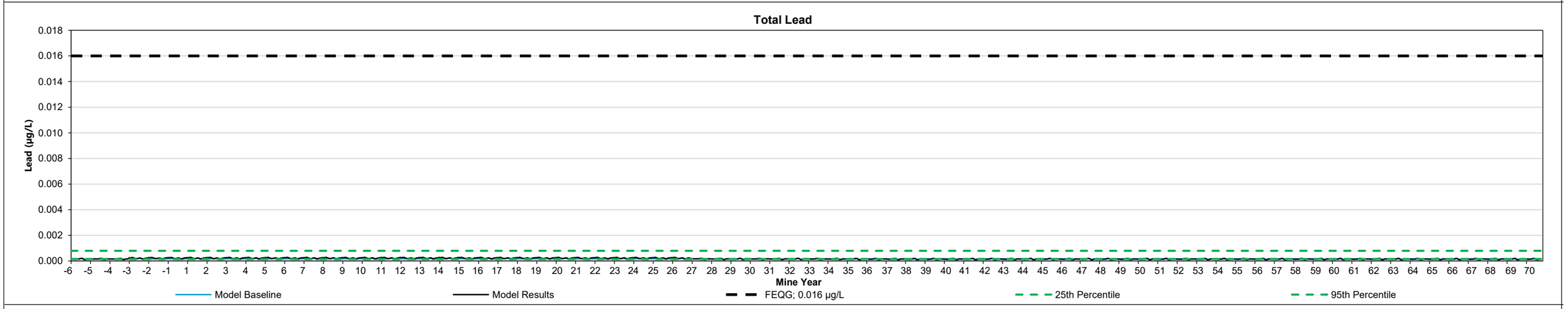


Figure F-5: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-3) (continued)





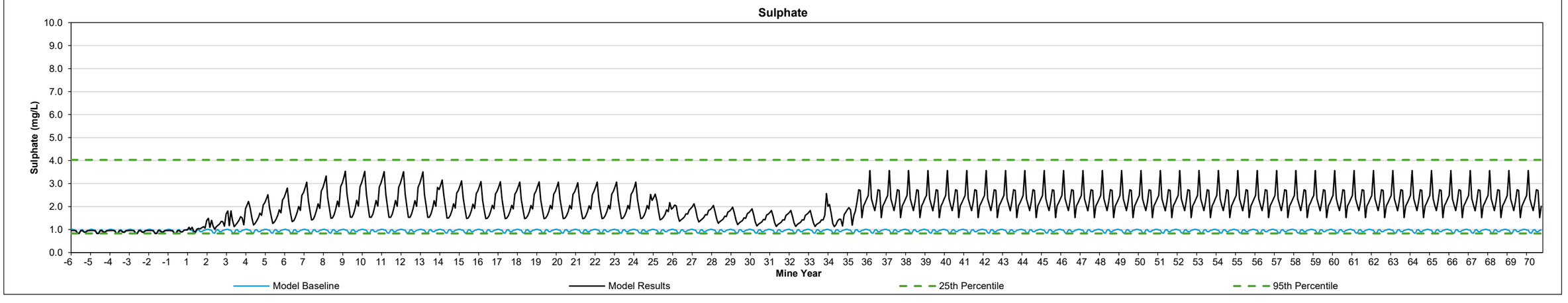
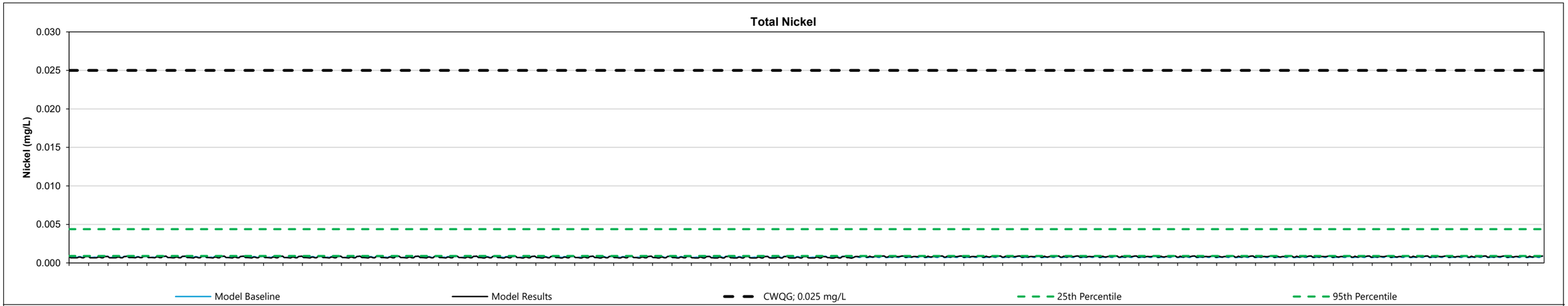
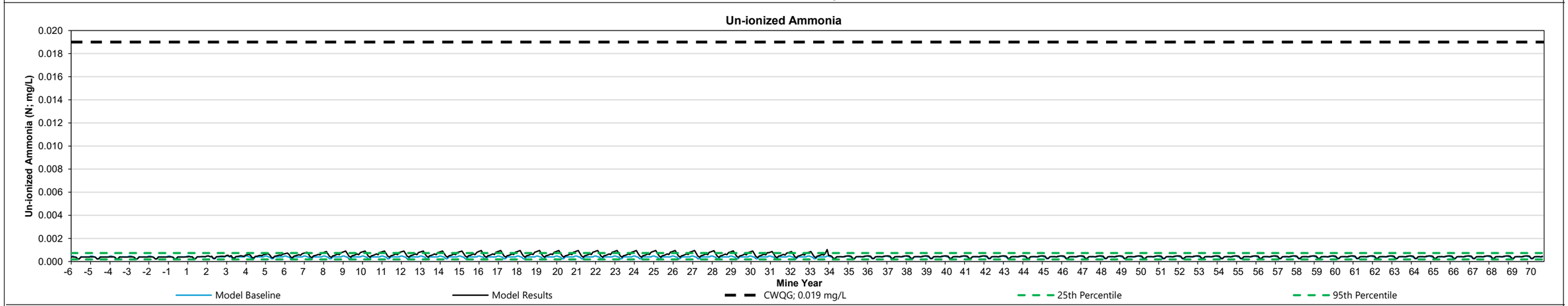


Figure F-5: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-3) (continued)





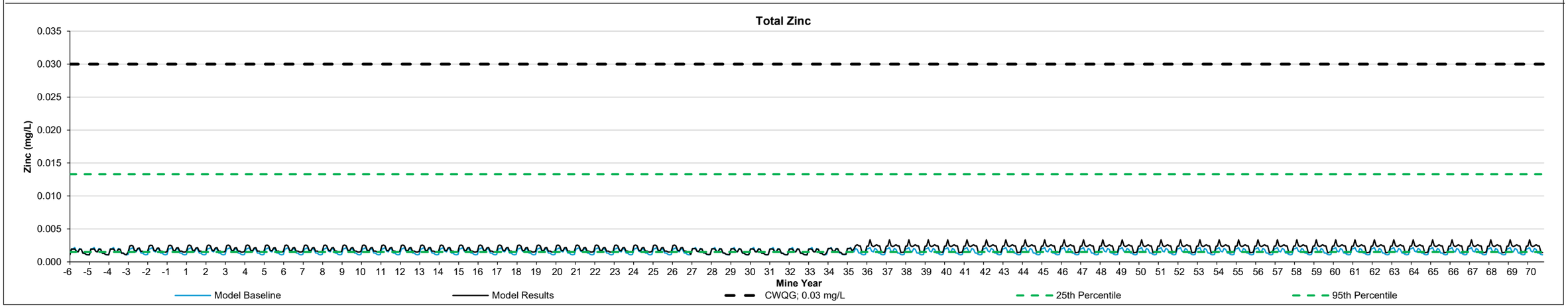


Figure F-6: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-4)

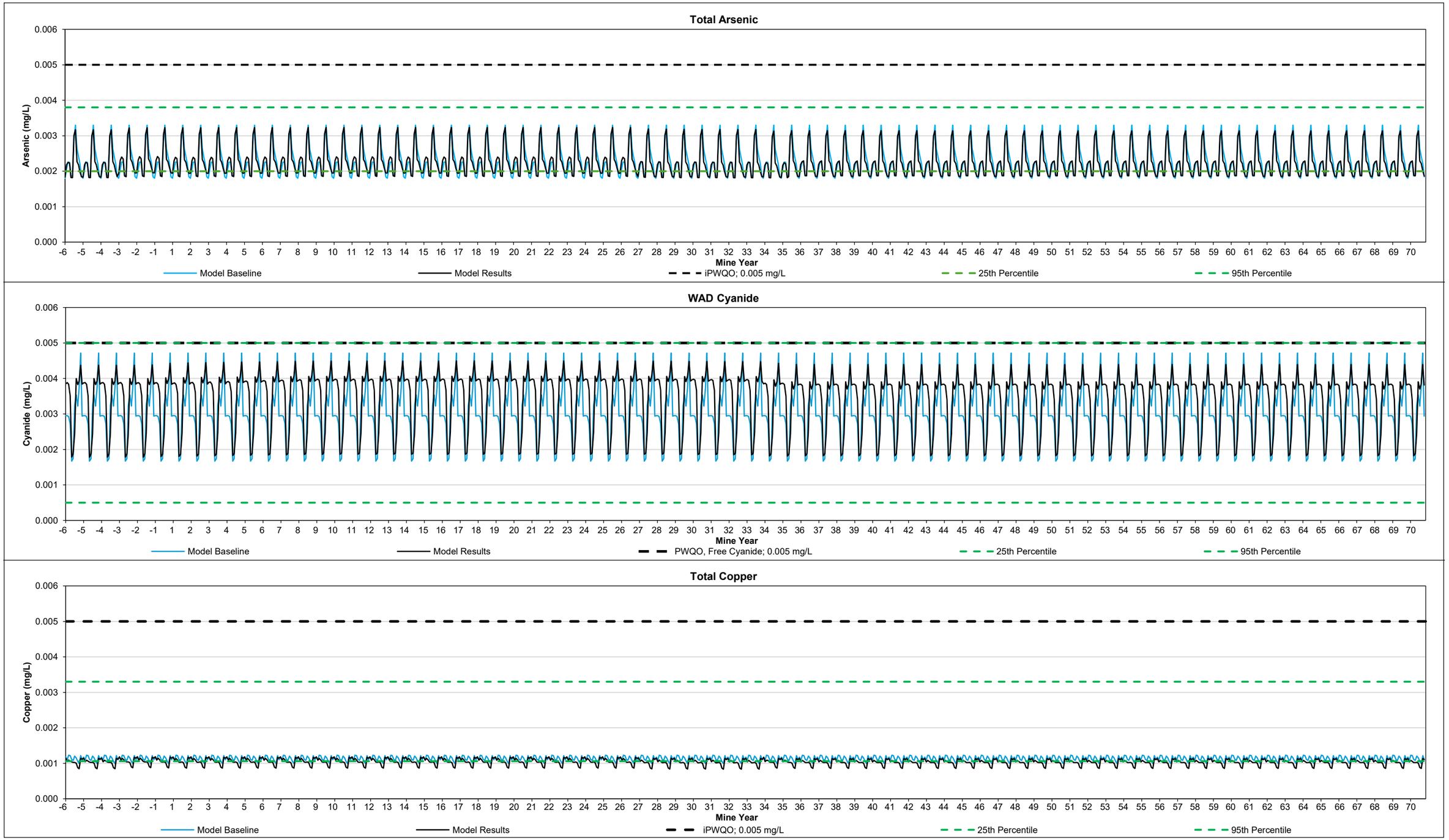
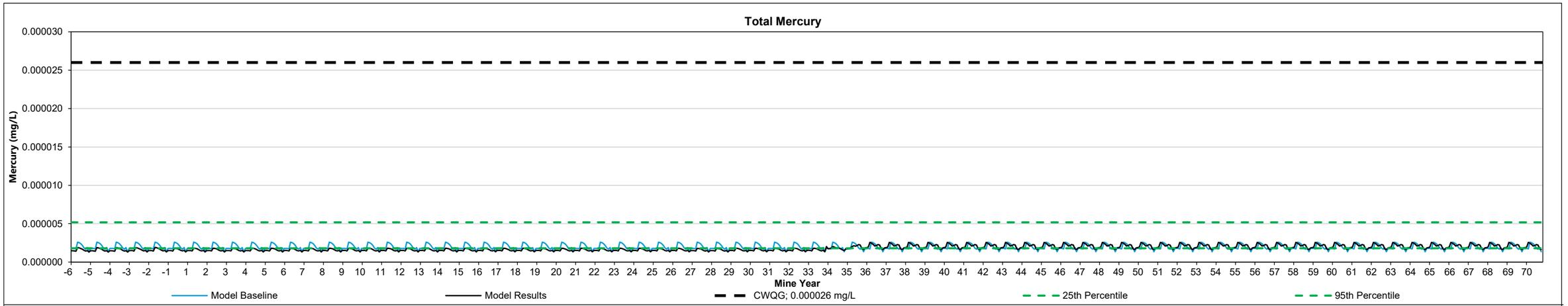
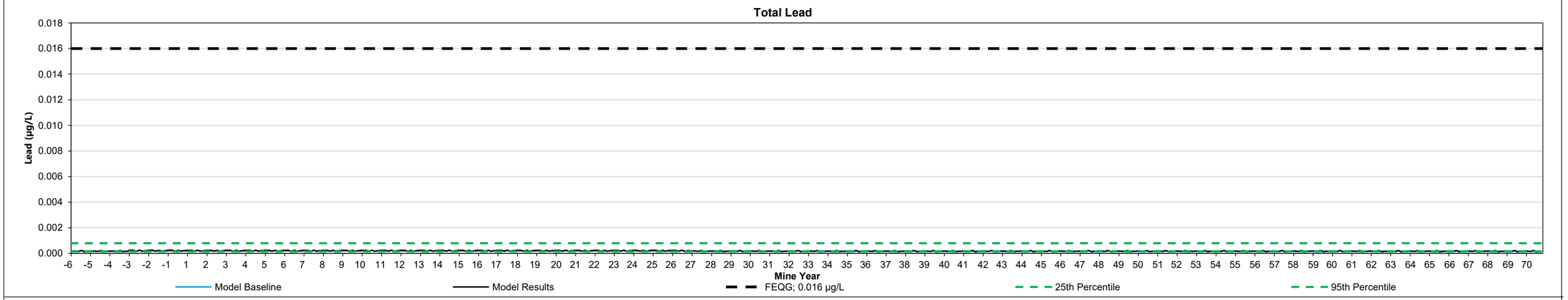


Figure F-6: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-4) (continued)





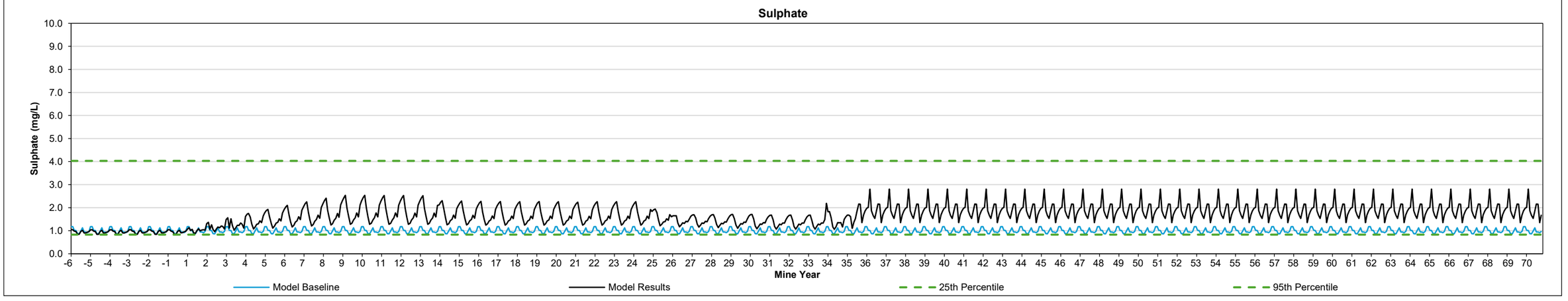
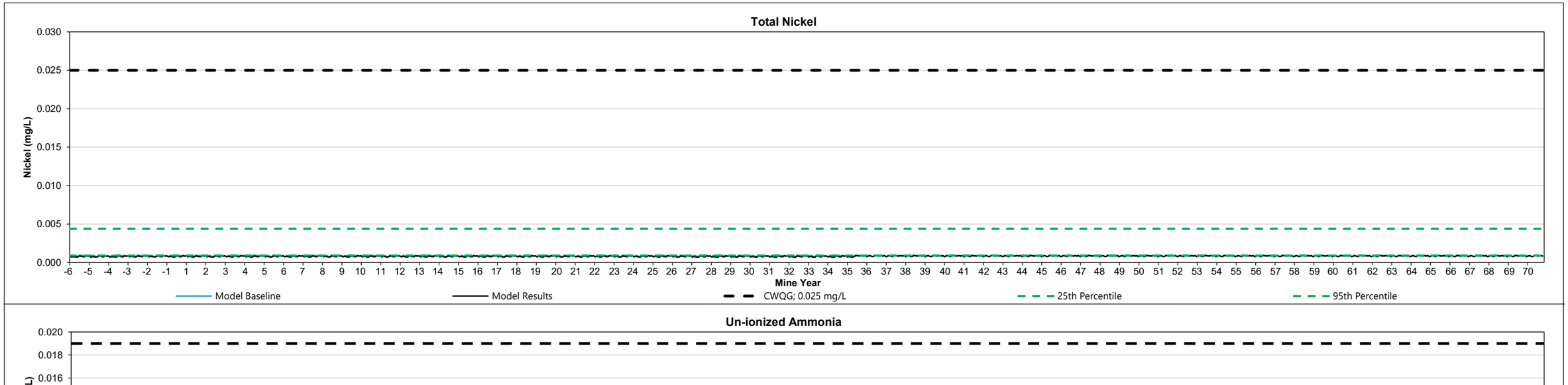
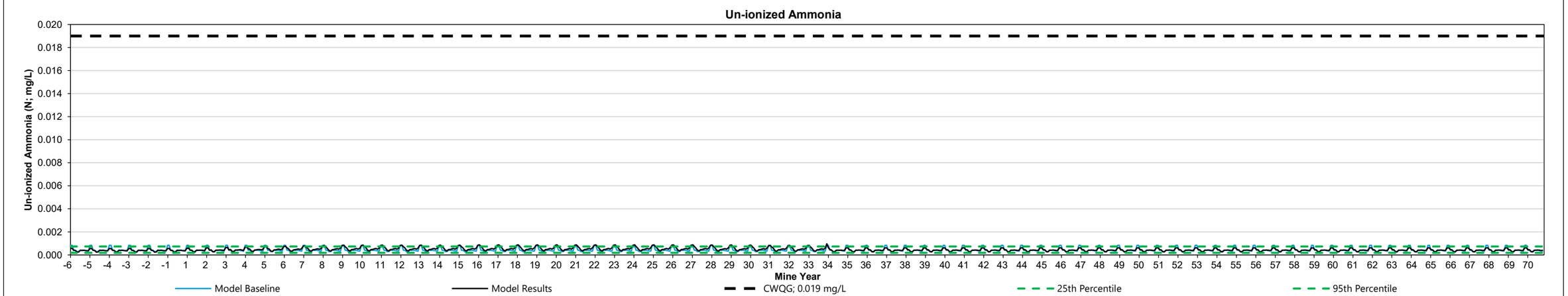


Figure F-6: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-4) (continued)





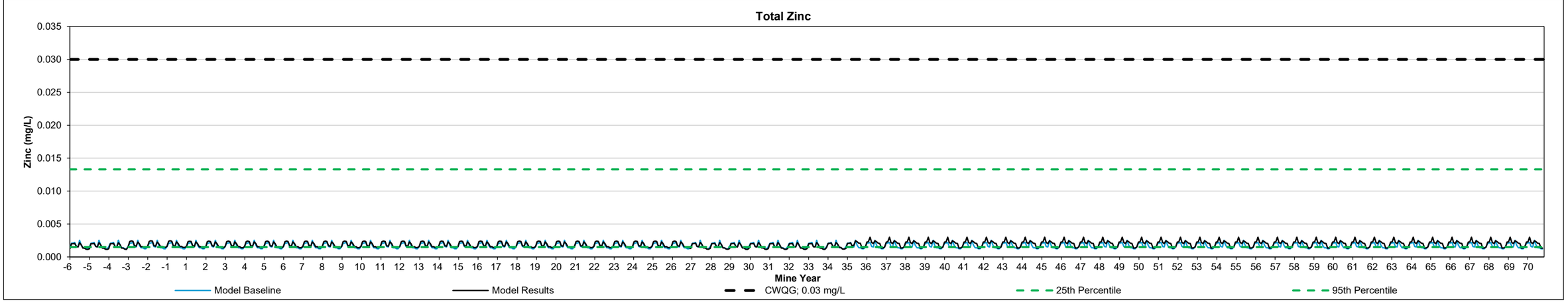


Figure F-7: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-5)

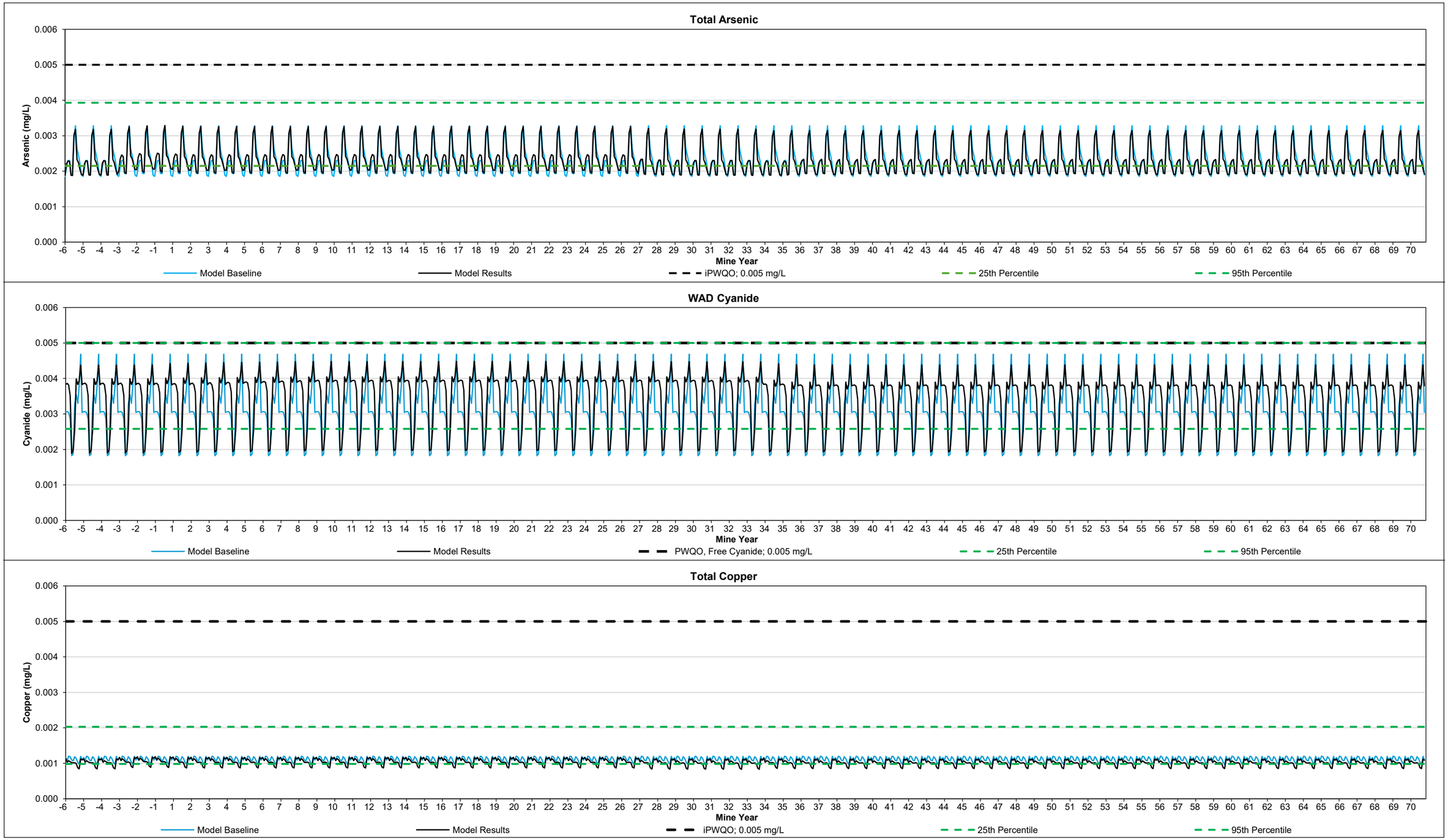


Figure F-7: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-5) (continued)

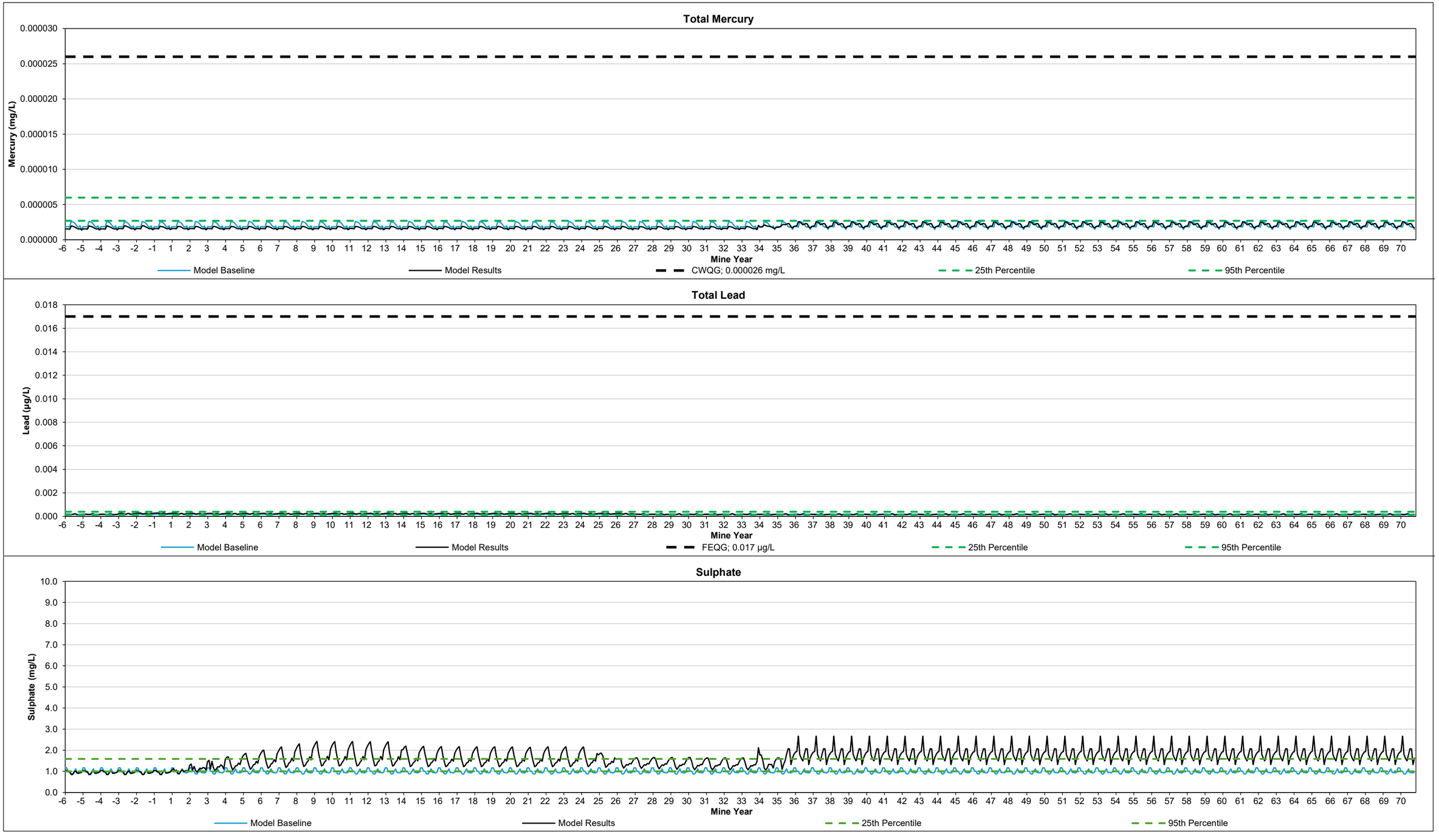
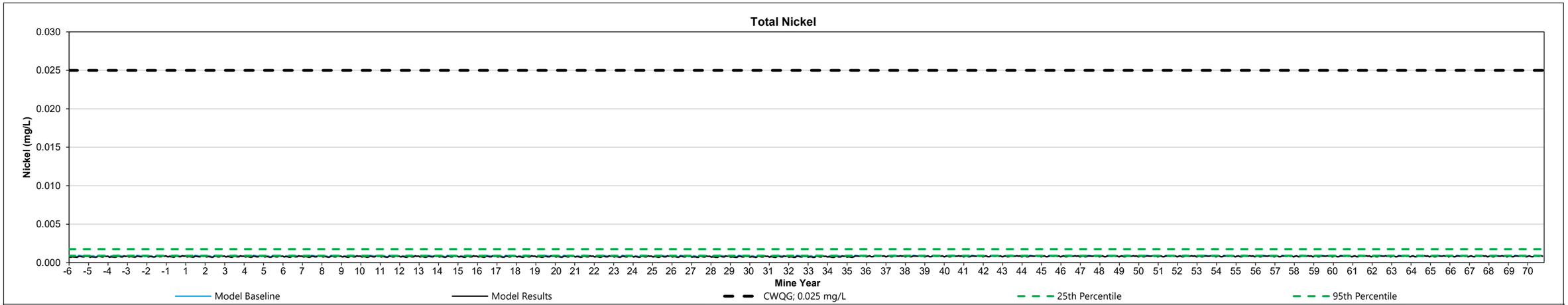
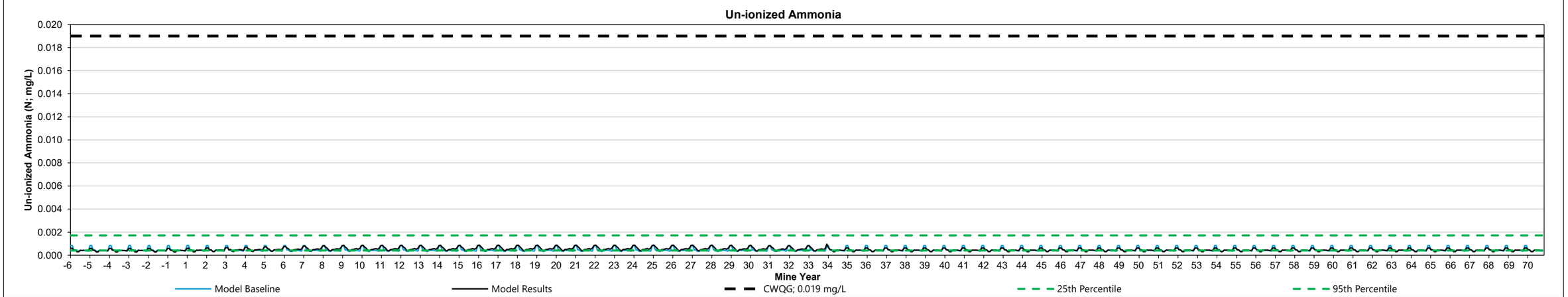


Figure F-7: Receiver Water Quality Results, Base Case, Dixie Creek (DIX-5) (continued)





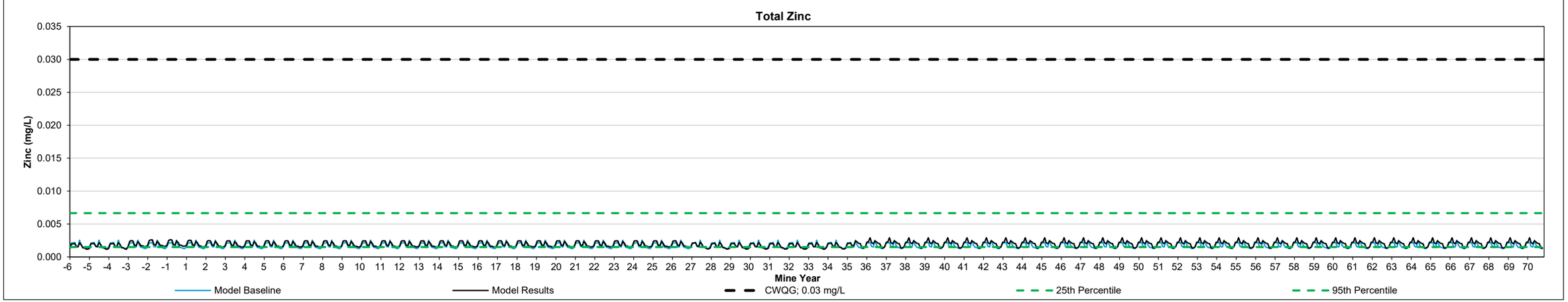


Figure F-8: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-1)

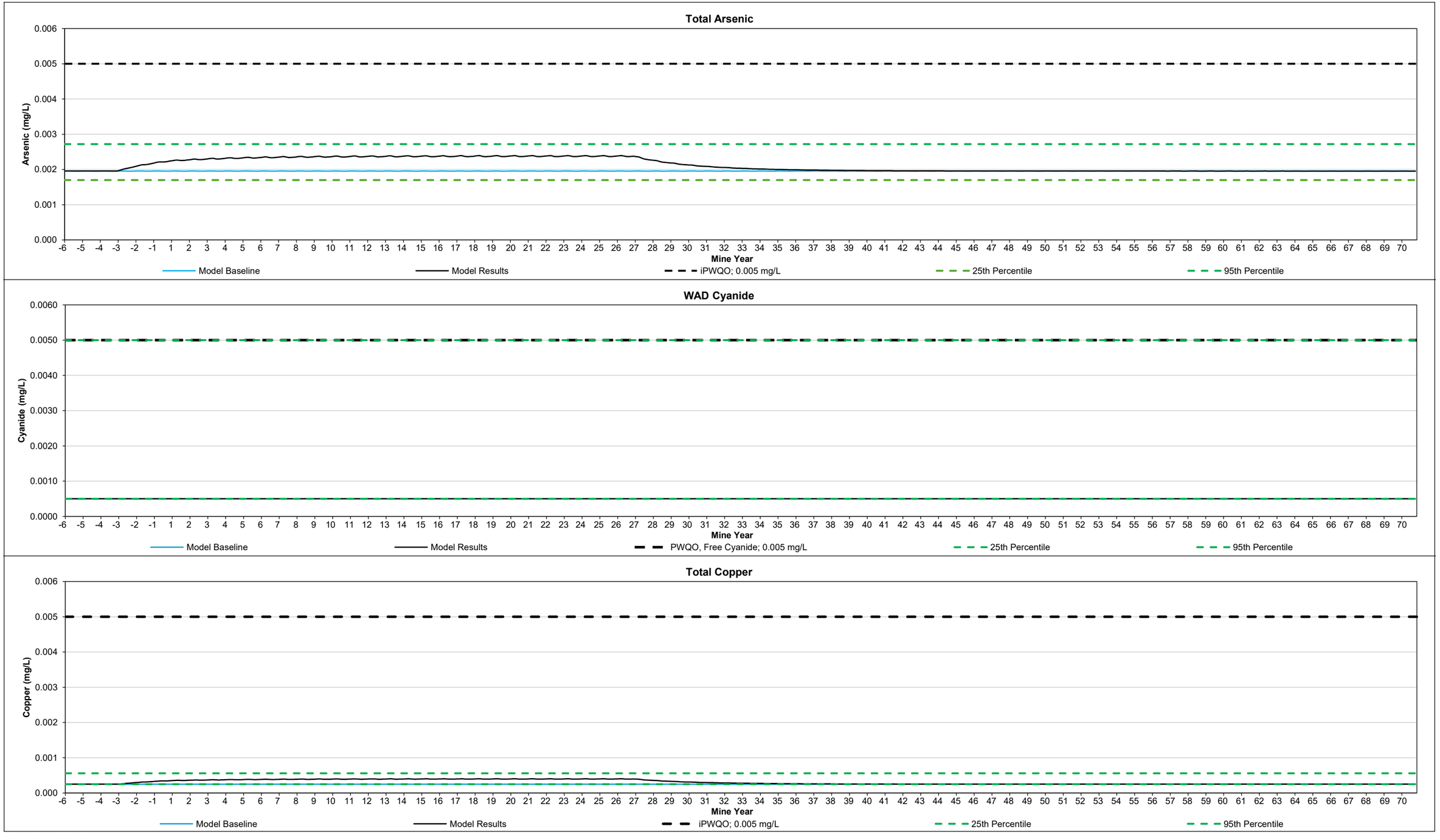
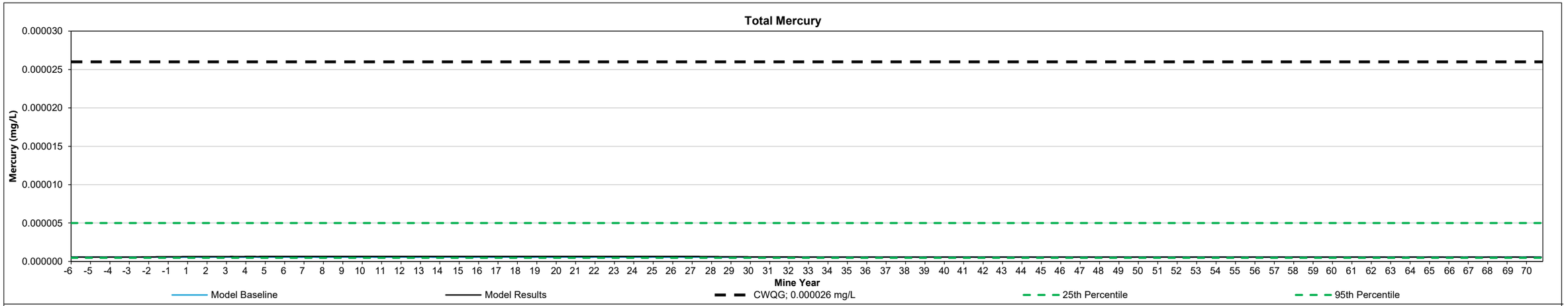
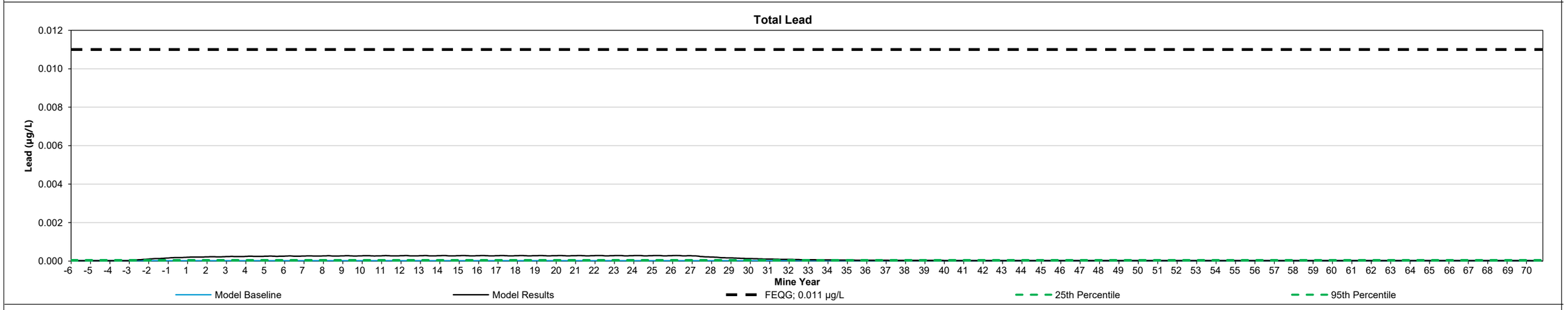


Figure F-8: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-1) (continued)





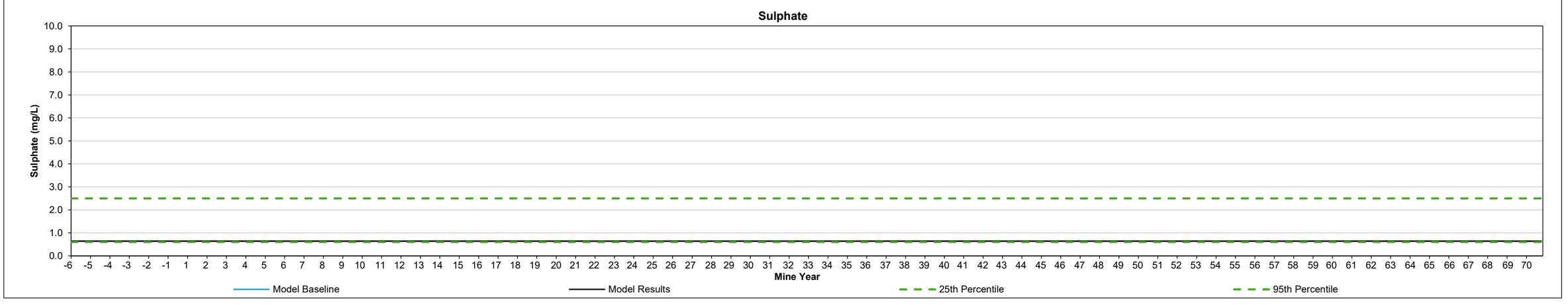
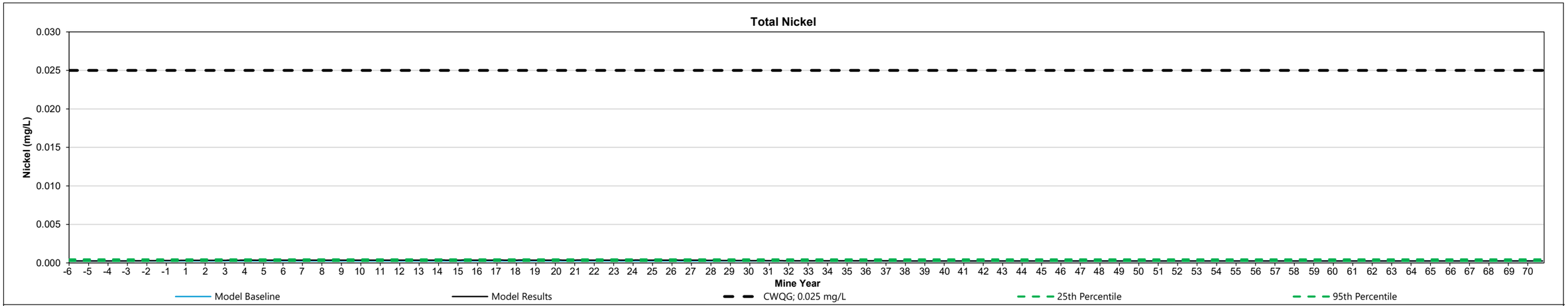
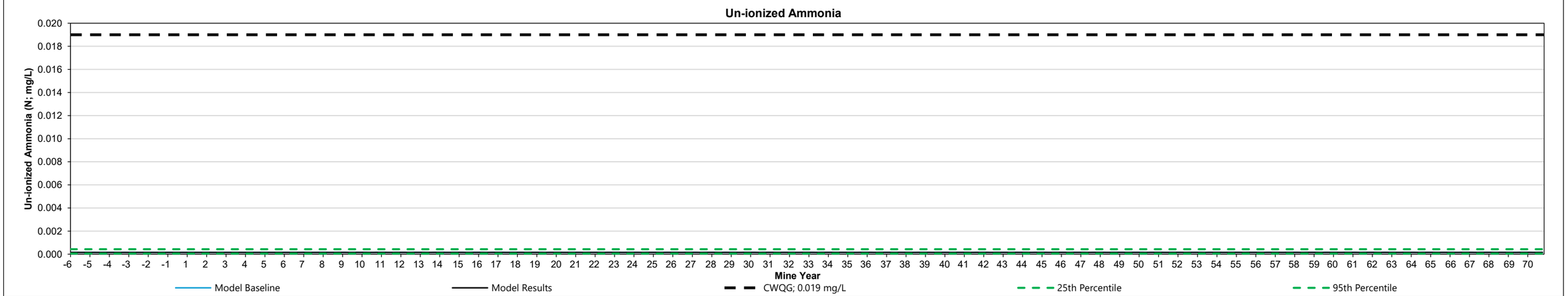


Figure F-8: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-1) (continued)





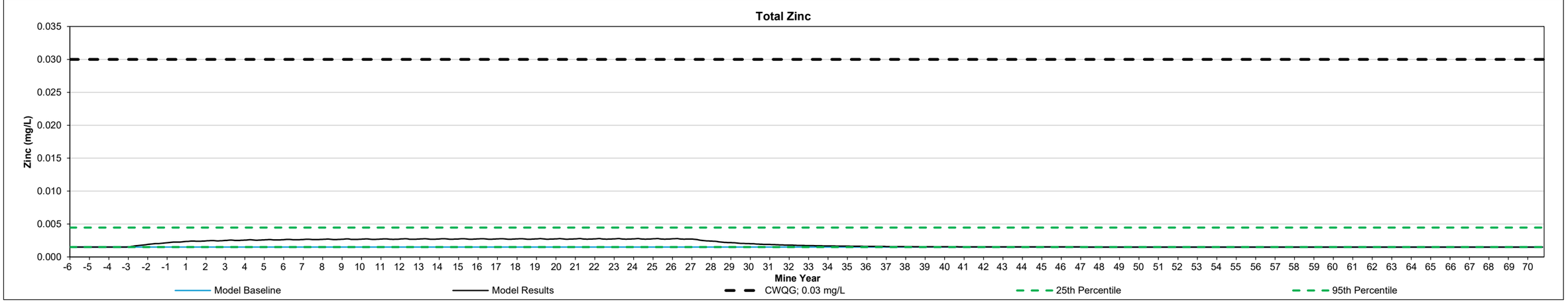


Figure F-9: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-L)

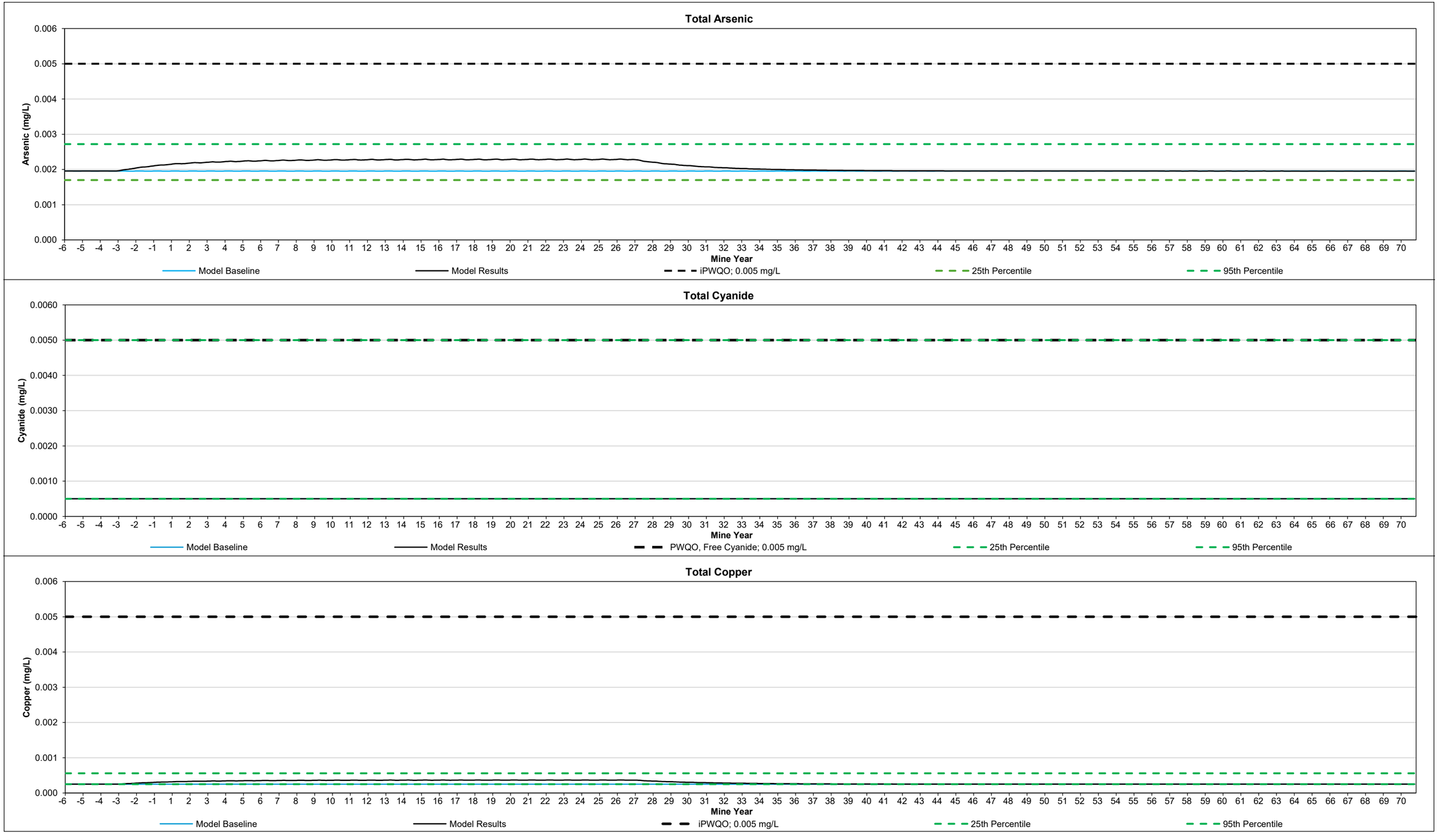
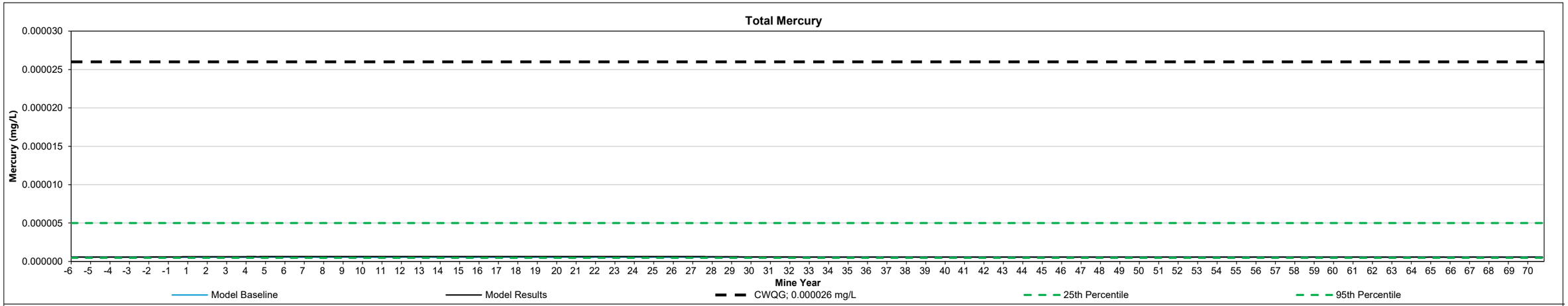
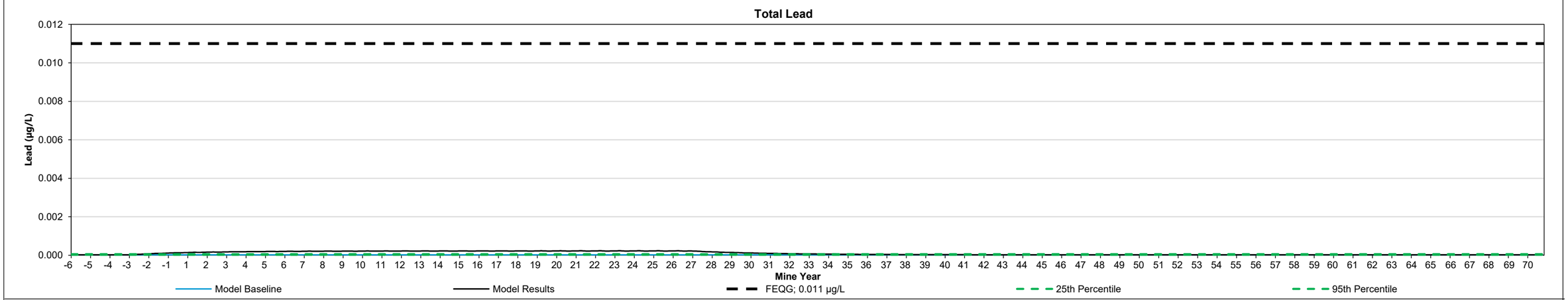


Figure F-9: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-L) (continued)





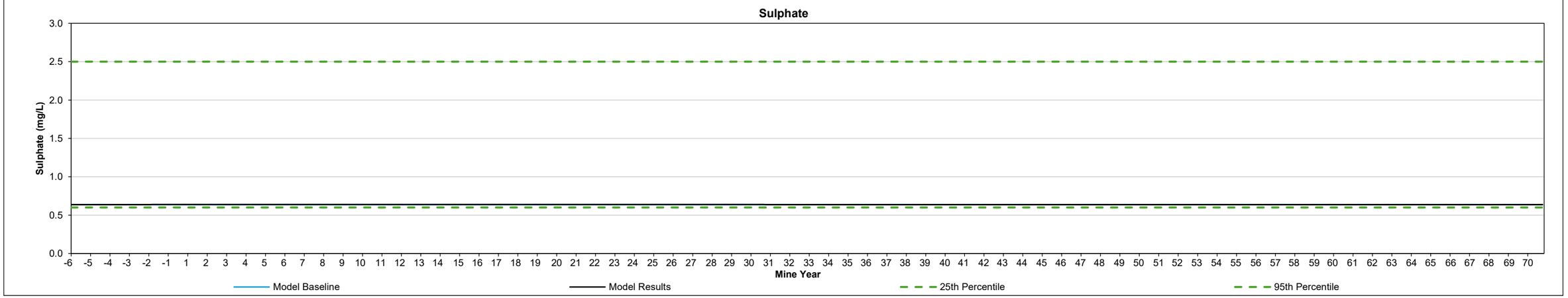
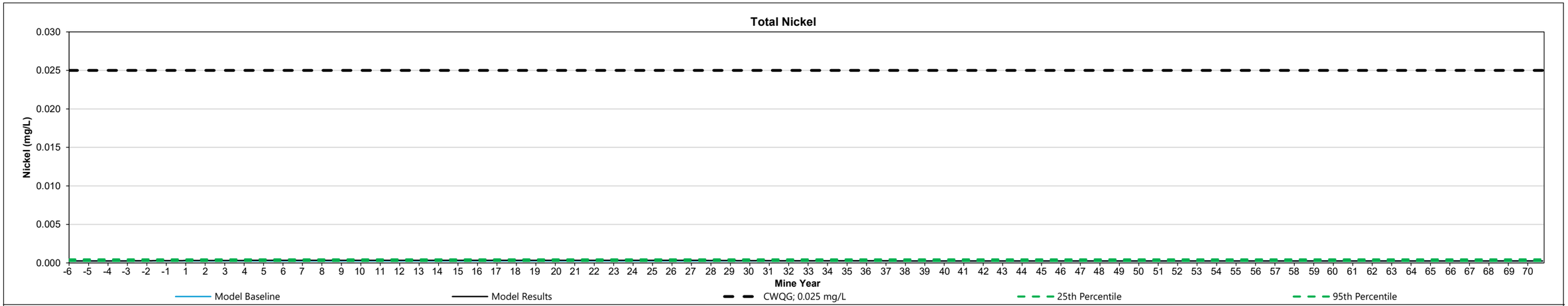
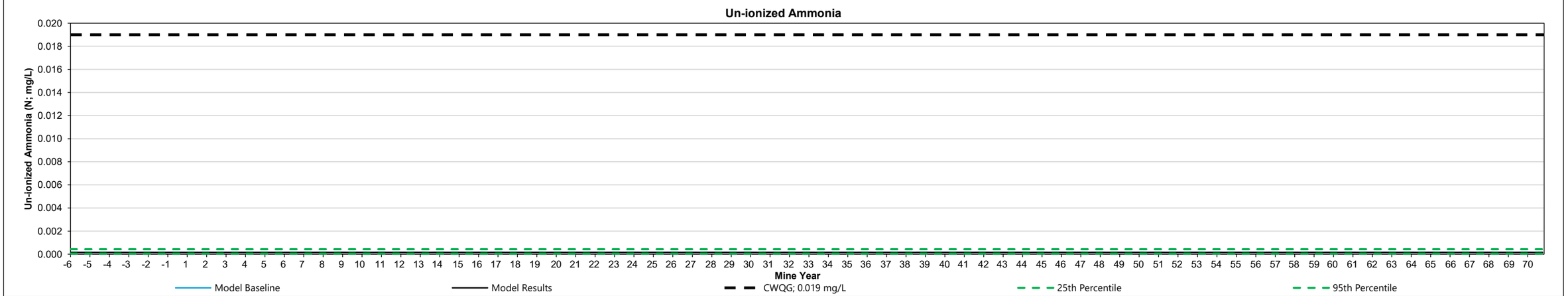


Figure F-9: Receiver Water Quality Results, Base Case, Genessee Lake (GEN-L) (continued)





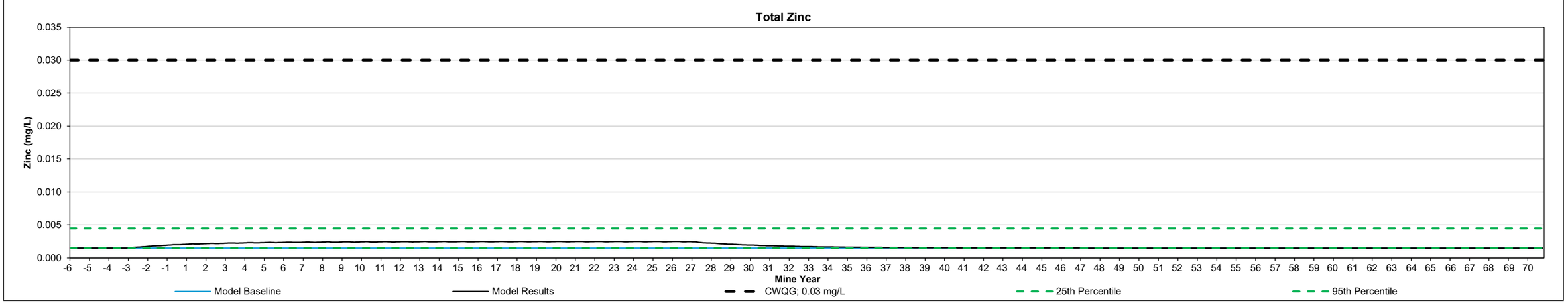


Figure F-10: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-IN)

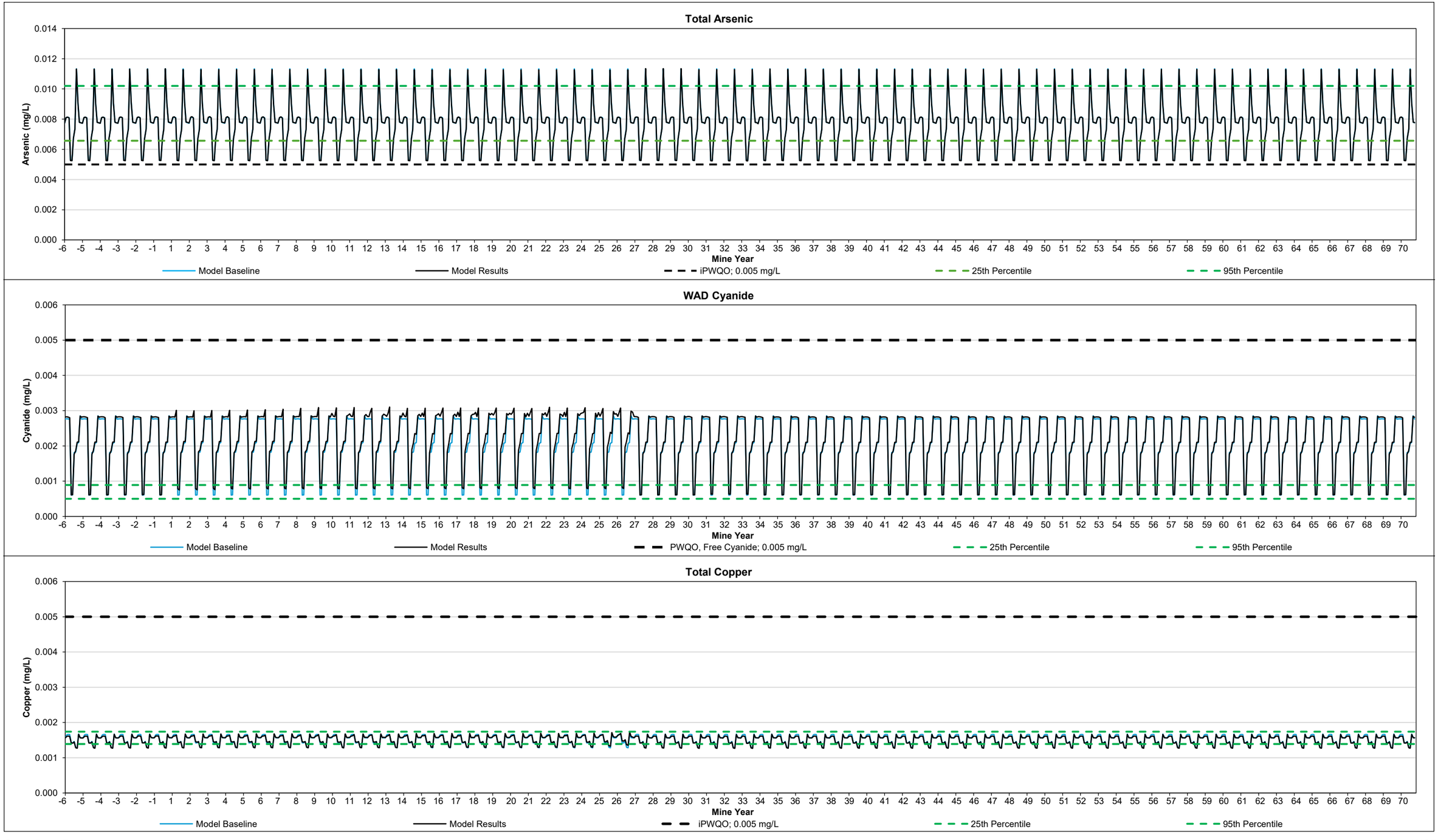


Figure F-10: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-IN) (continued)

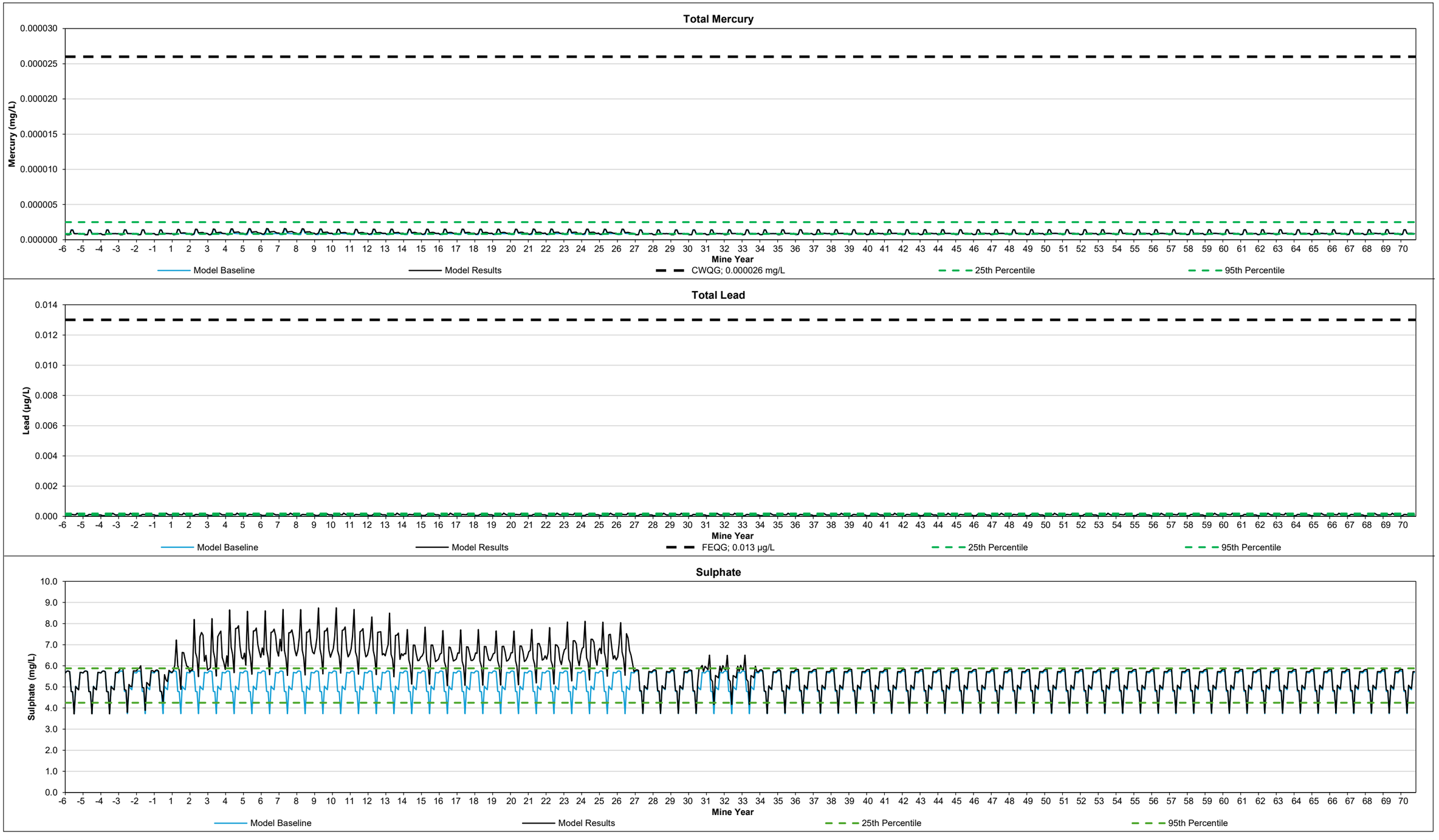
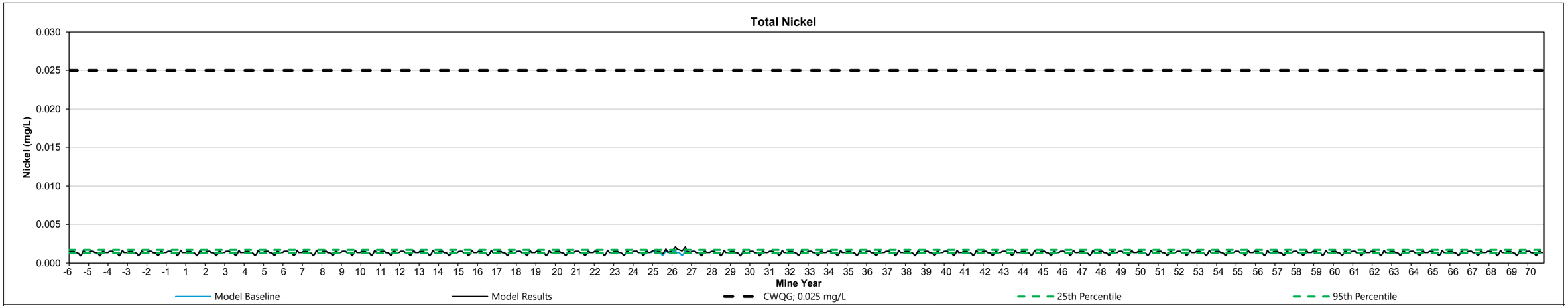
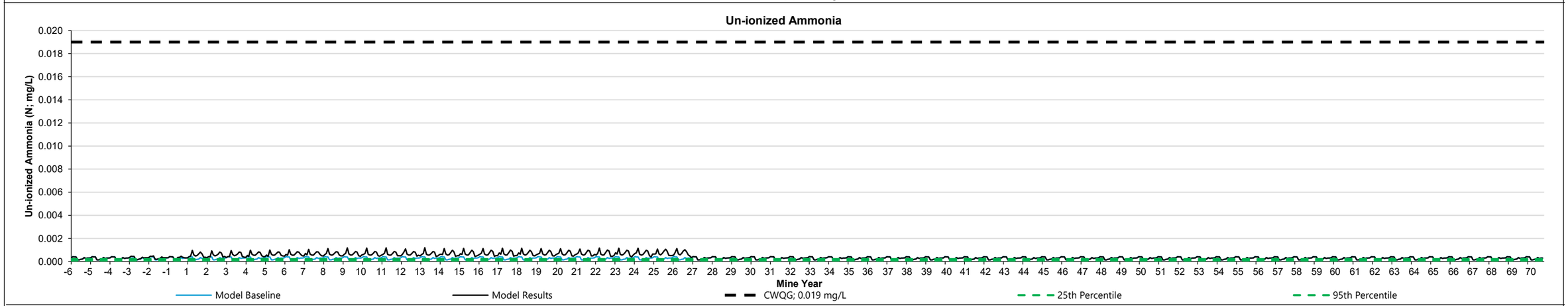


Figure F-10: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-IN) (continued)





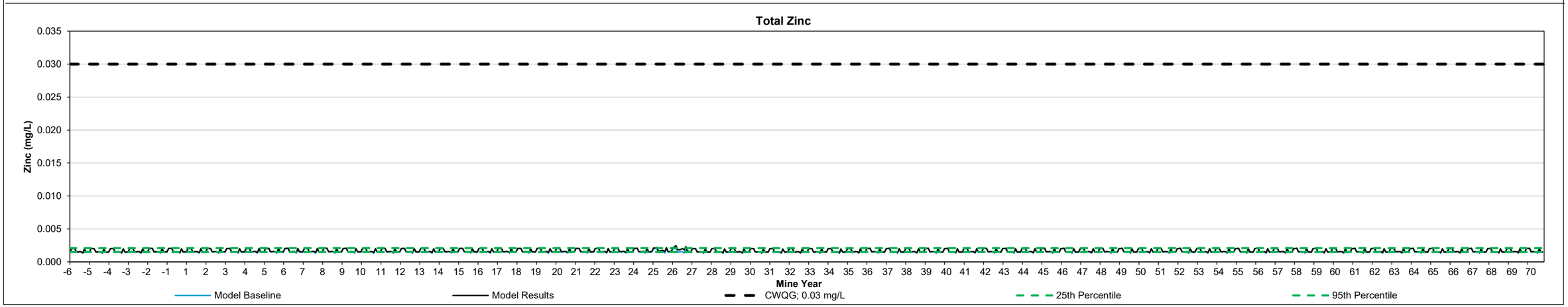


Figure F-11: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-L)

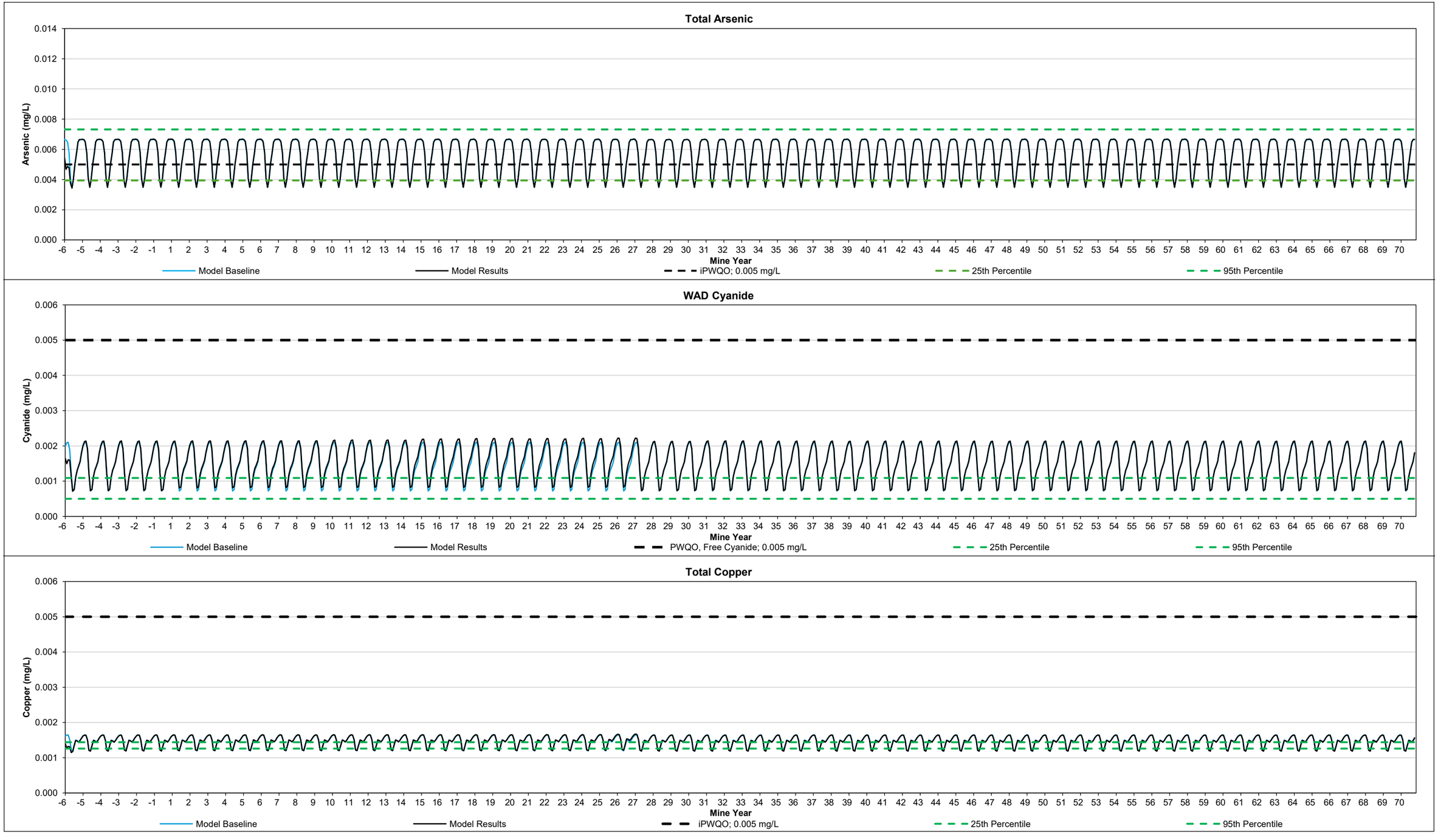
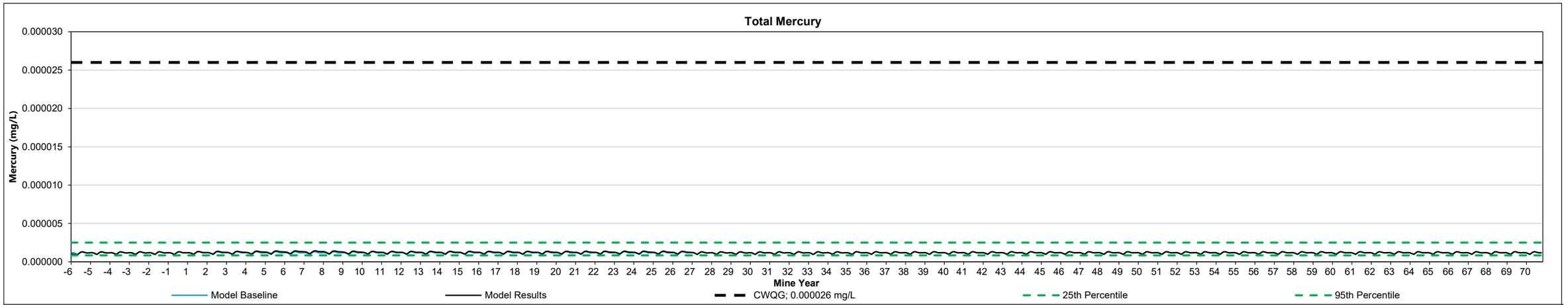
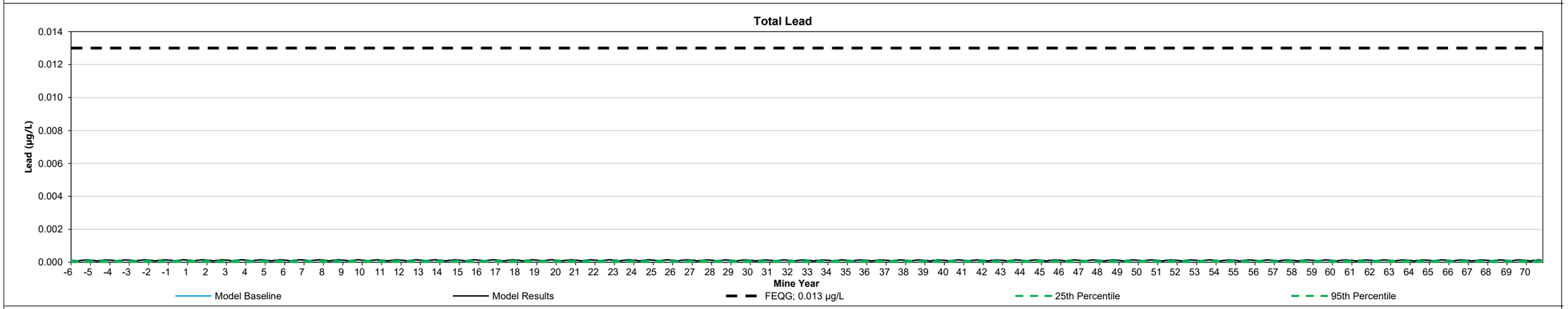


Figure F-11: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-L) (continued)





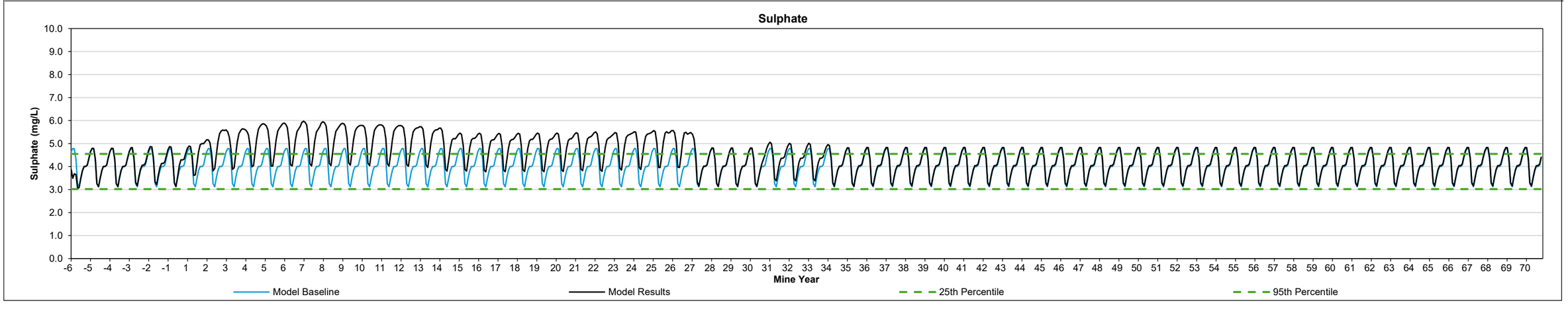


Figure F-11: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-L) (continued)

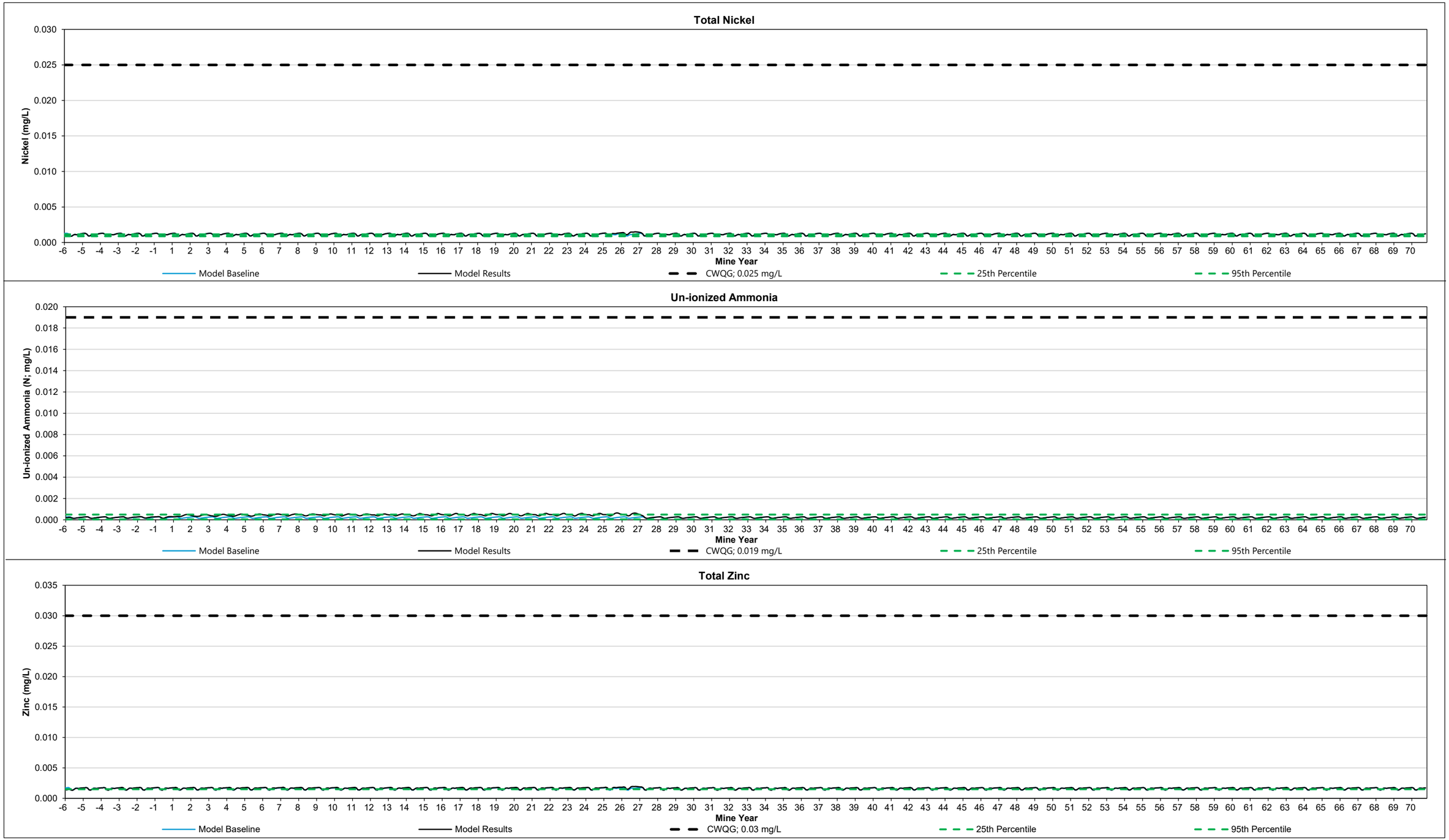


Figure F-12: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-OUT)

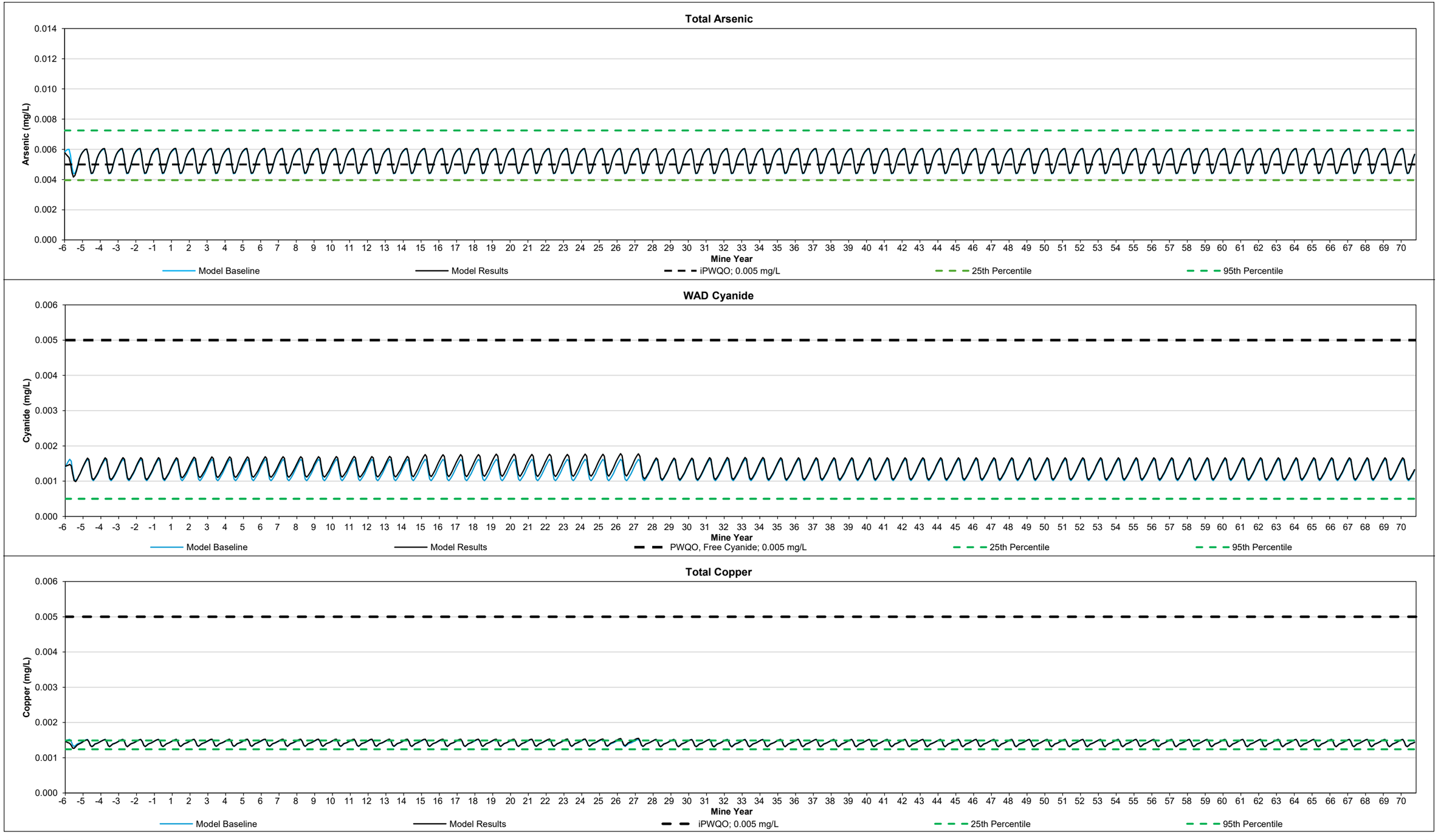
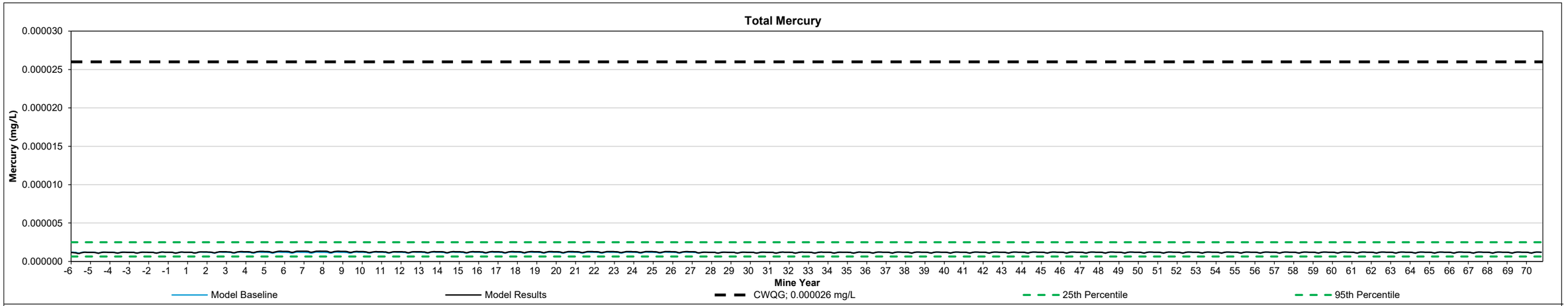
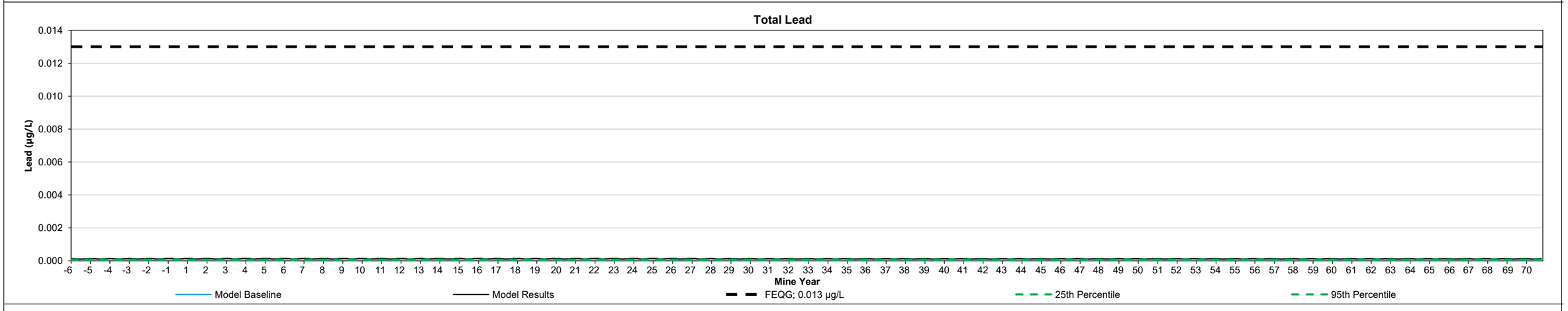


Figure F-12: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-OUT) (continued)





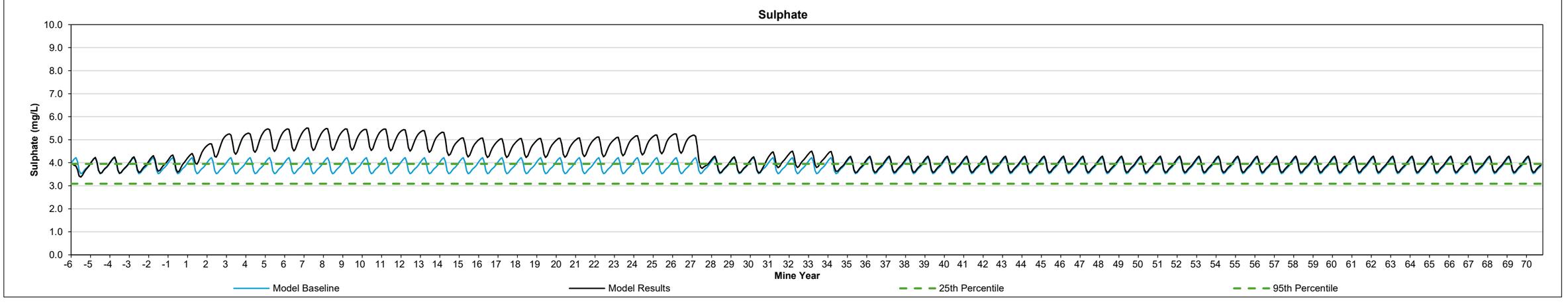
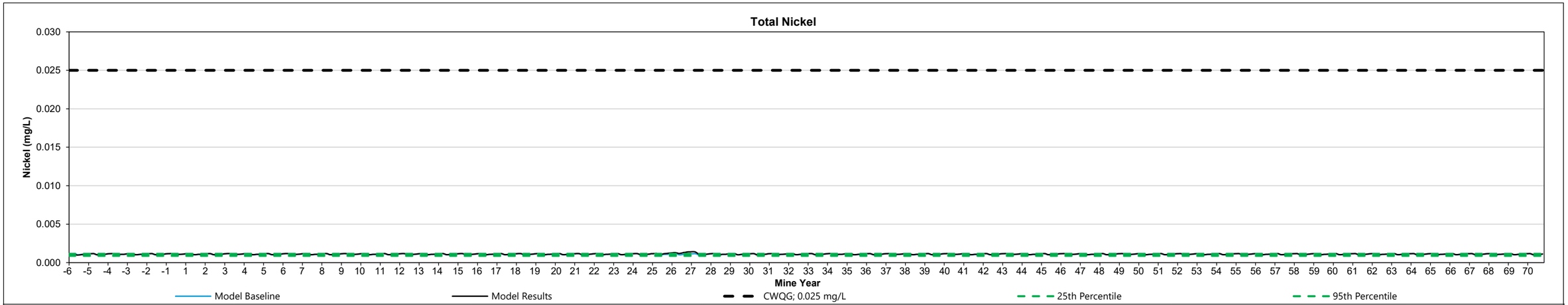
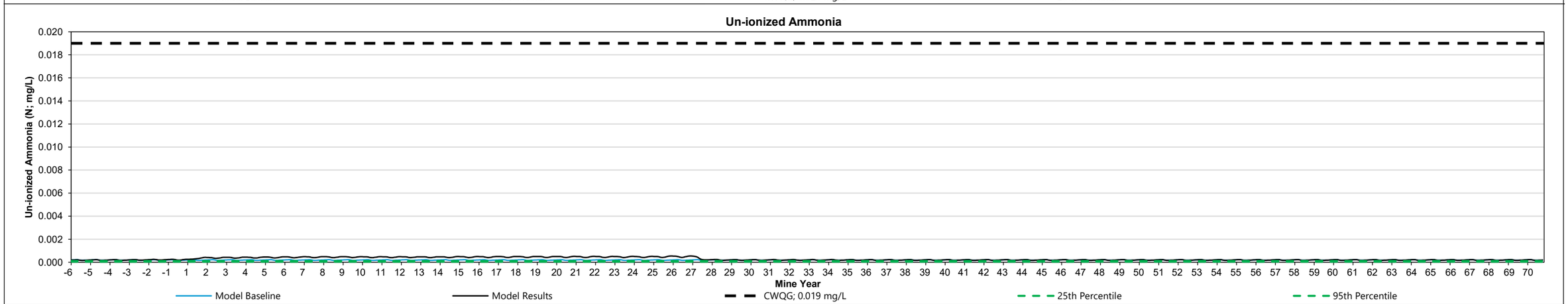


Figure F-12: Receiver Water Quality Results, Base Case, Pakwash Lake (PAK-OUT) (continued)





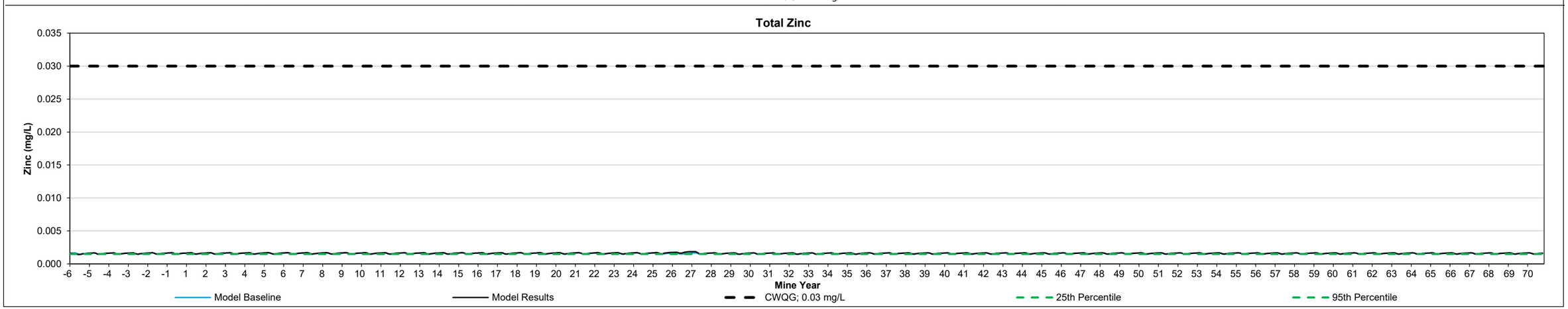


Figure F-13: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-1)

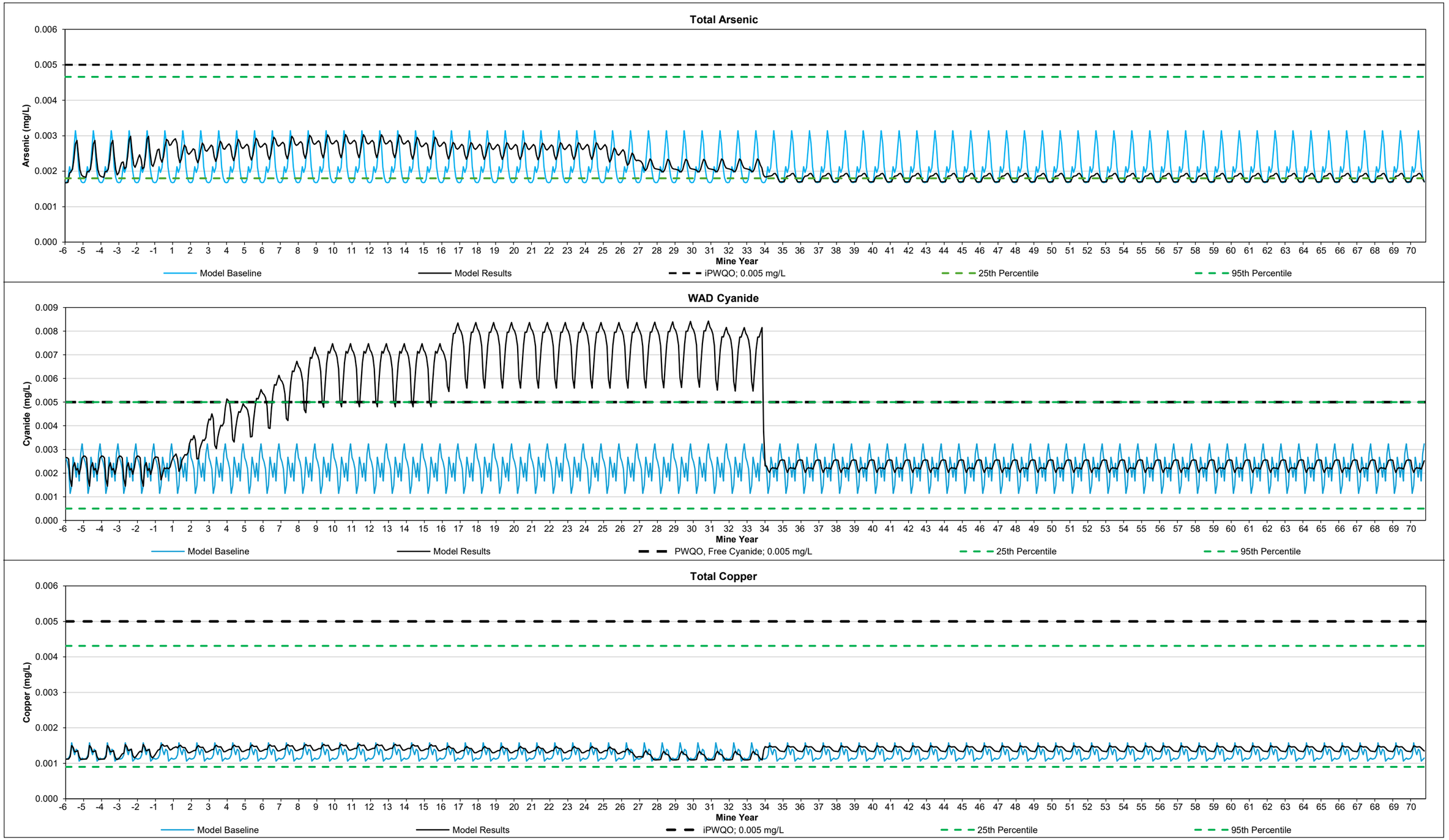


Figure F-13: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-1) (continued)

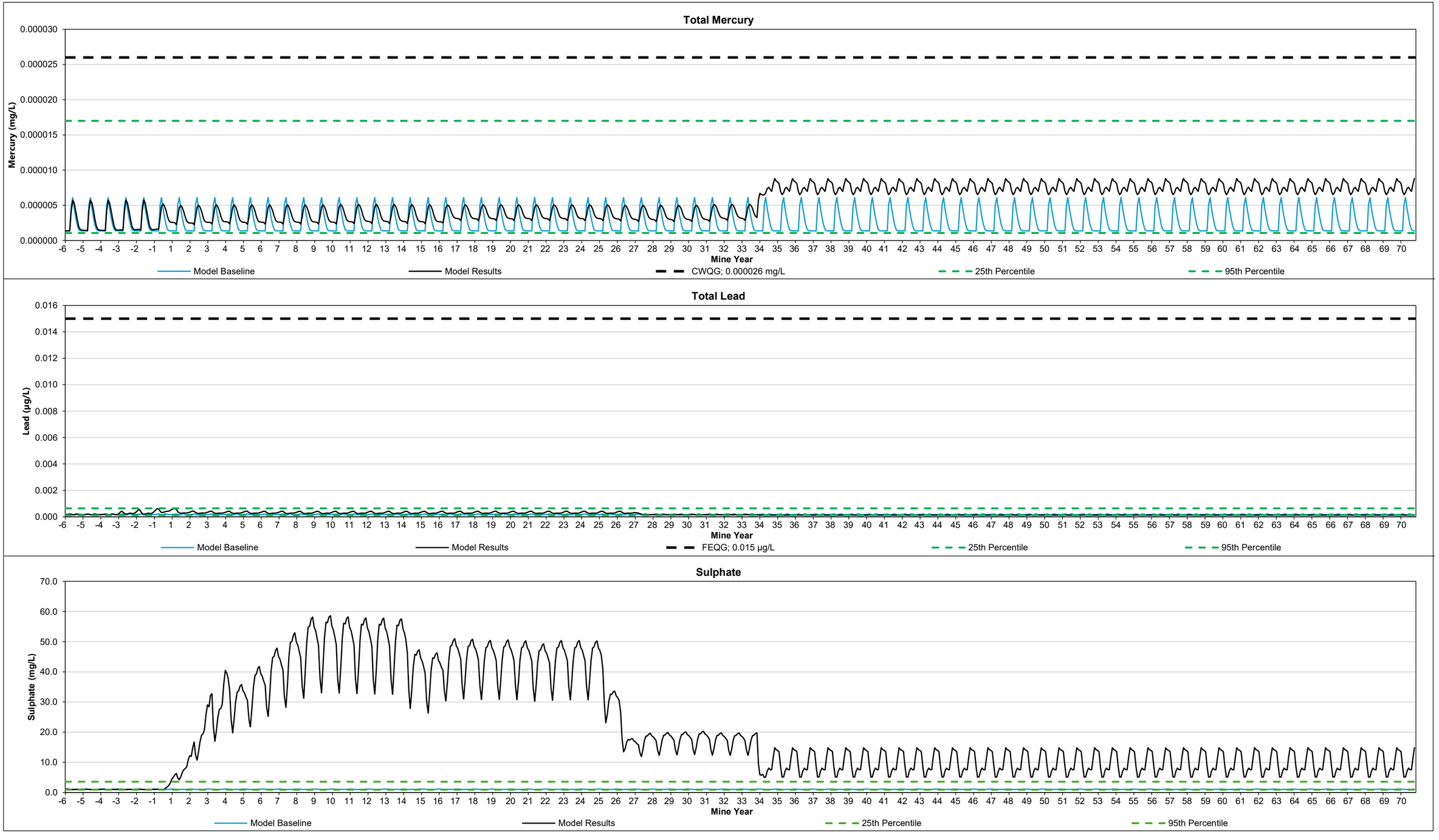


Figure F-13: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-1) (continued)

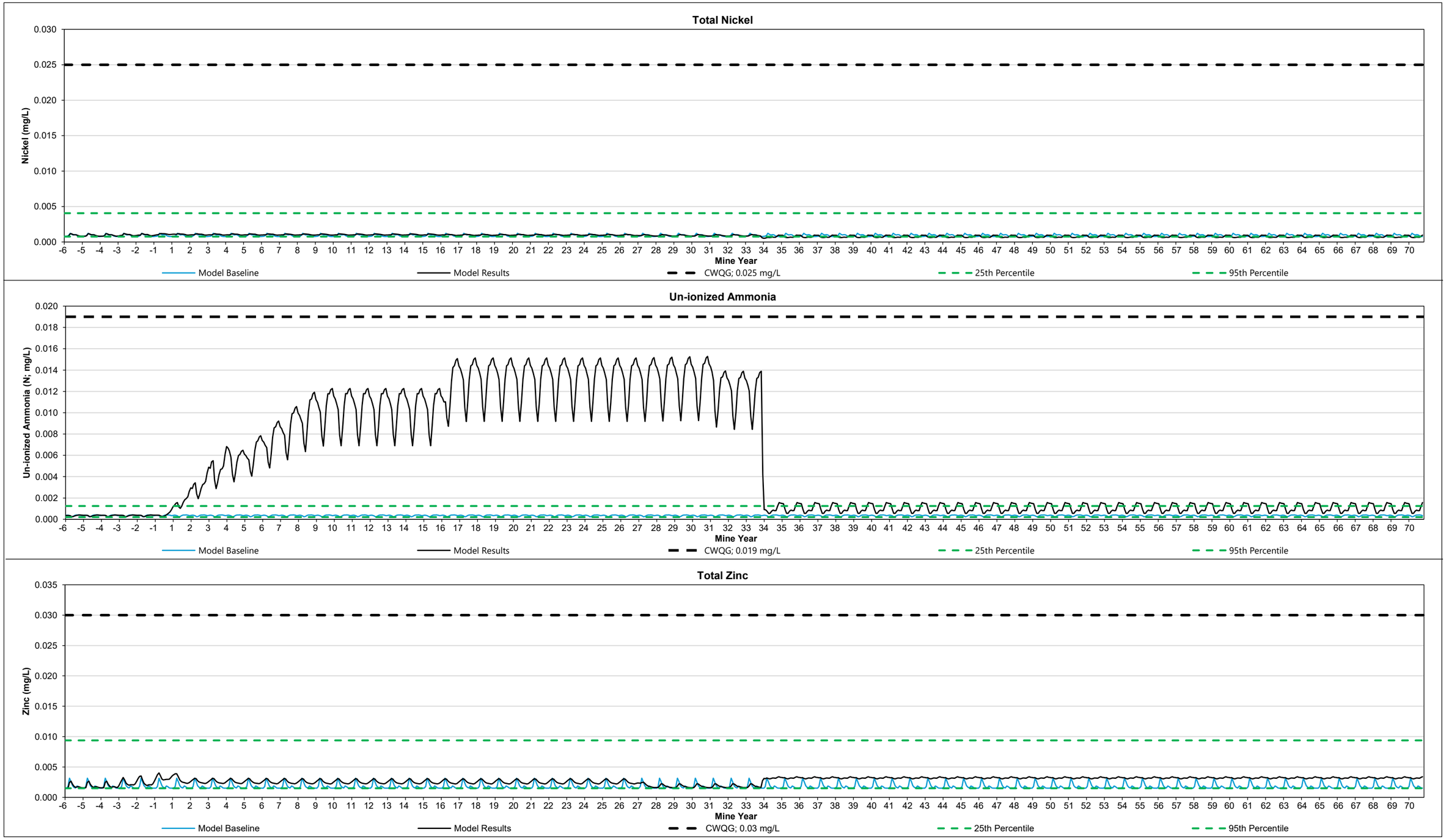


Figure F-14: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-2)

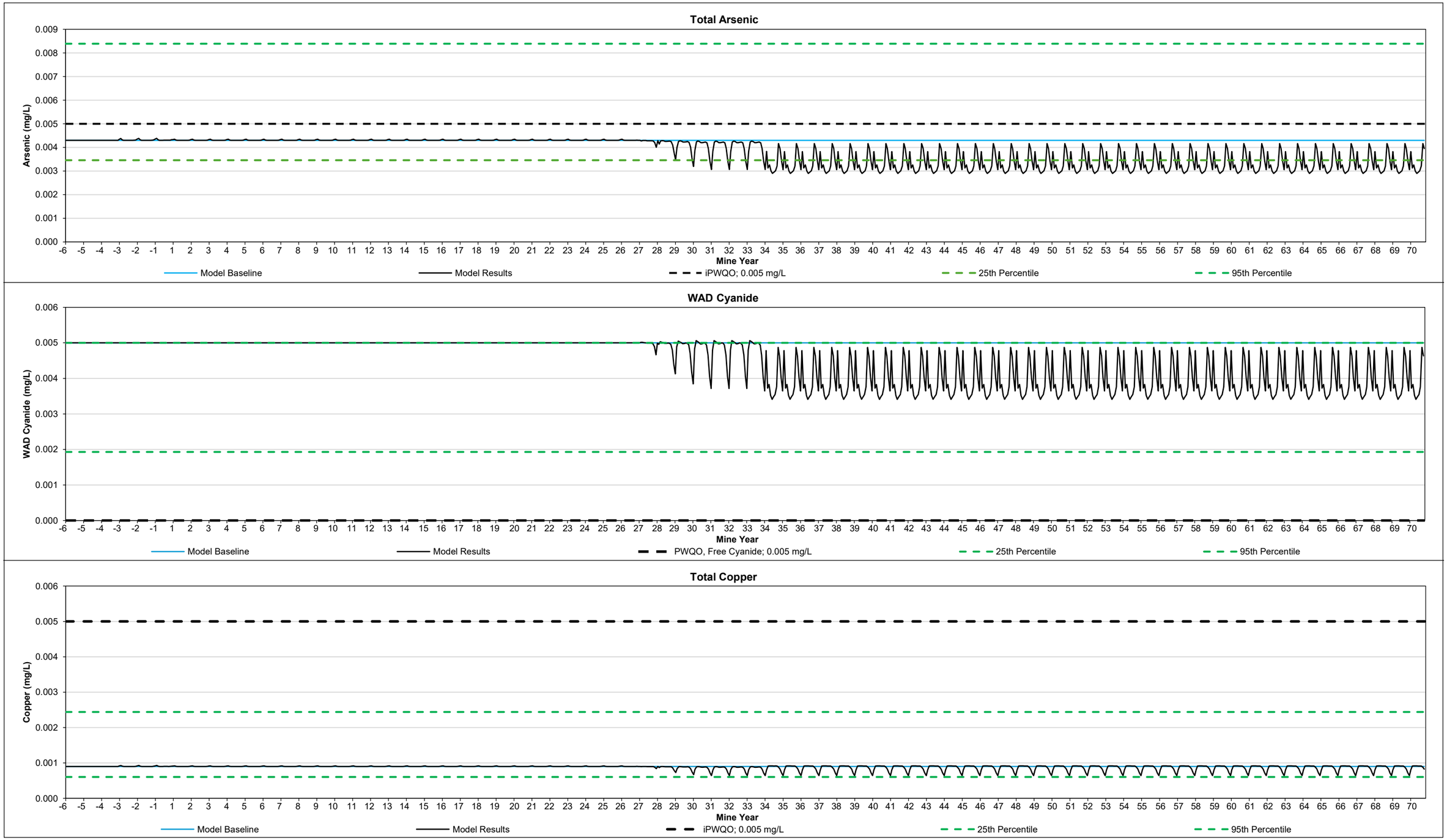


Figure F-14: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-2) (continued)

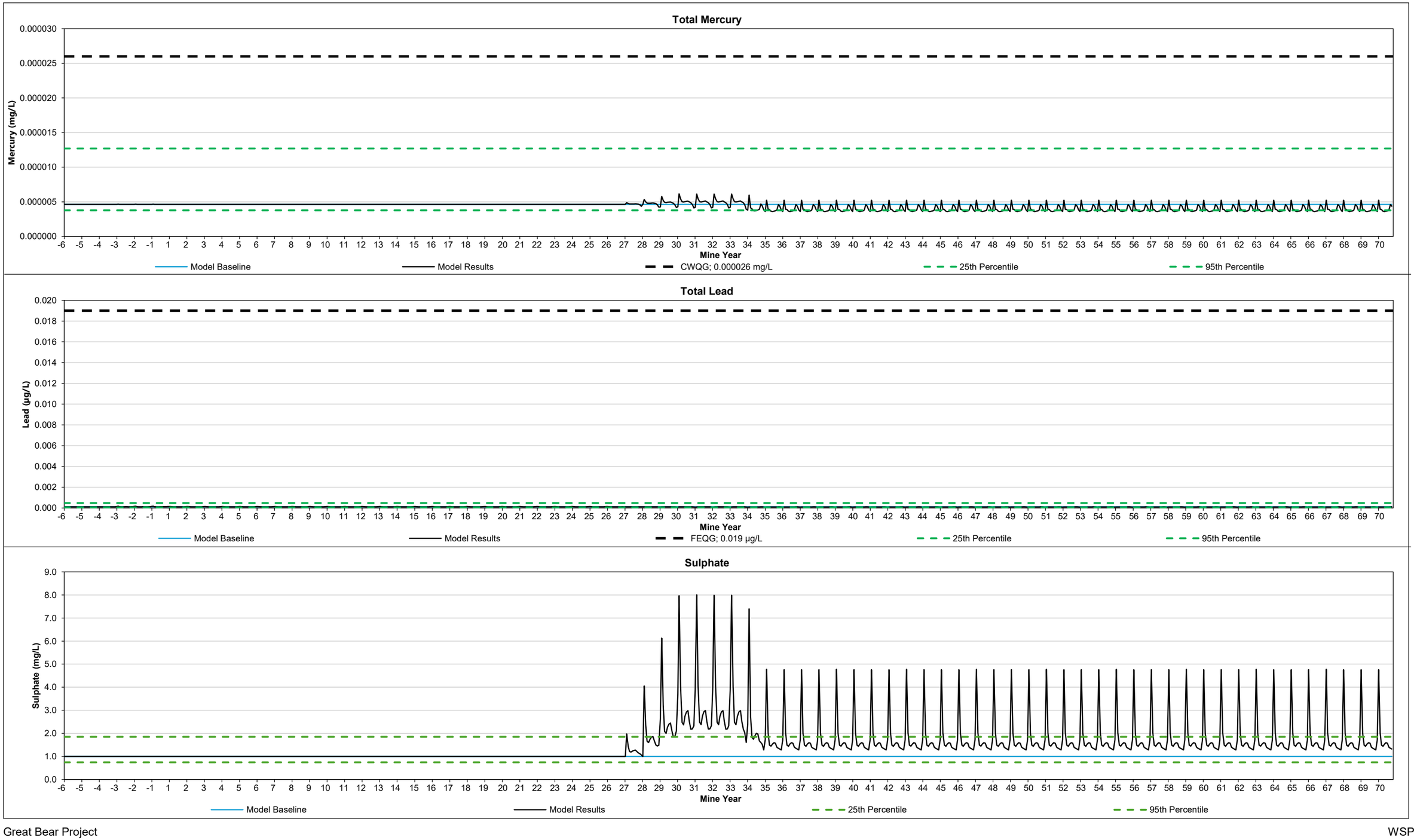
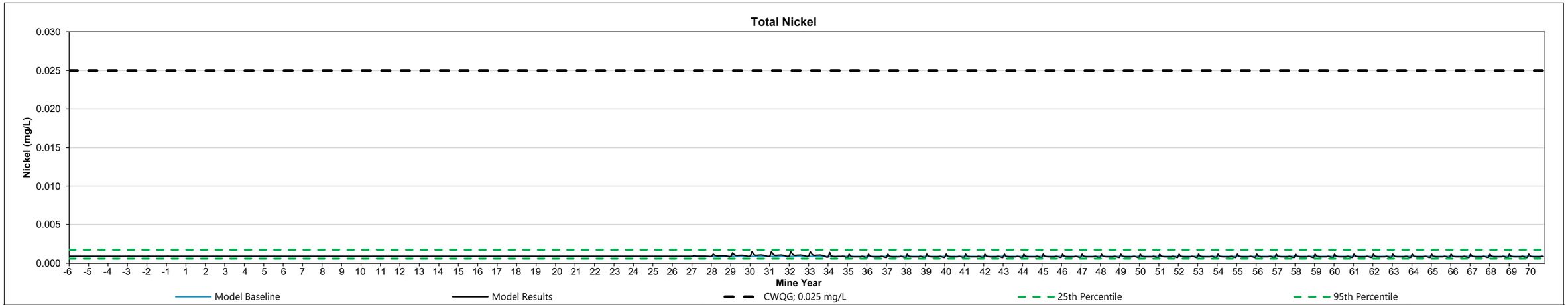
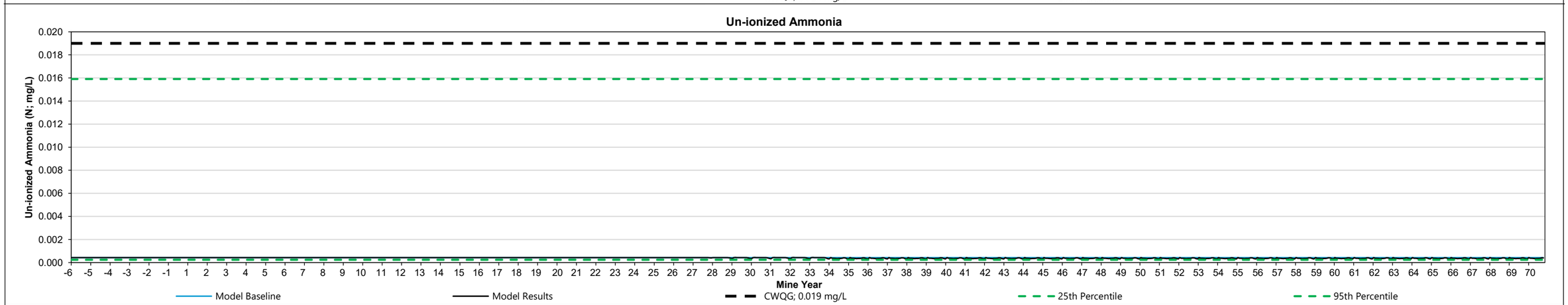


Figure F-14: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-2) (continued)





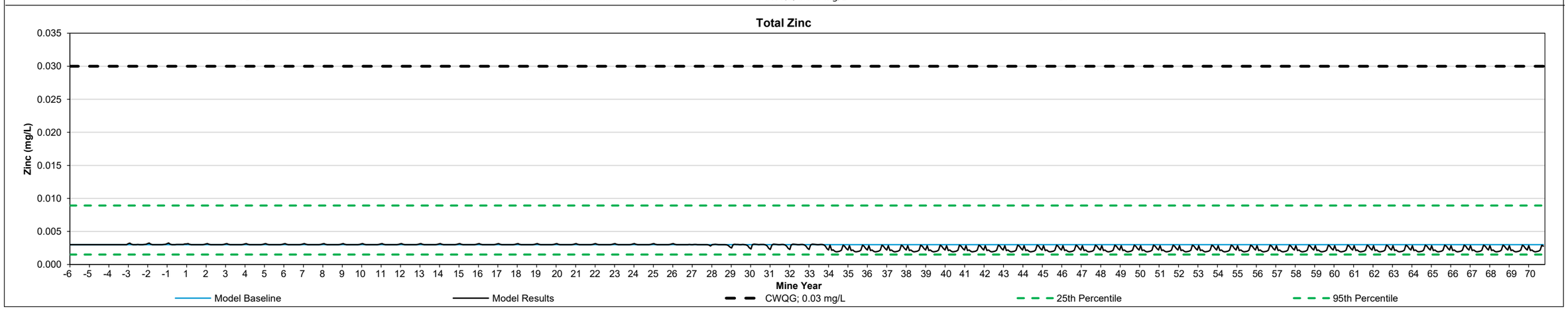


Figure F-15: Receiver Water Quality Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

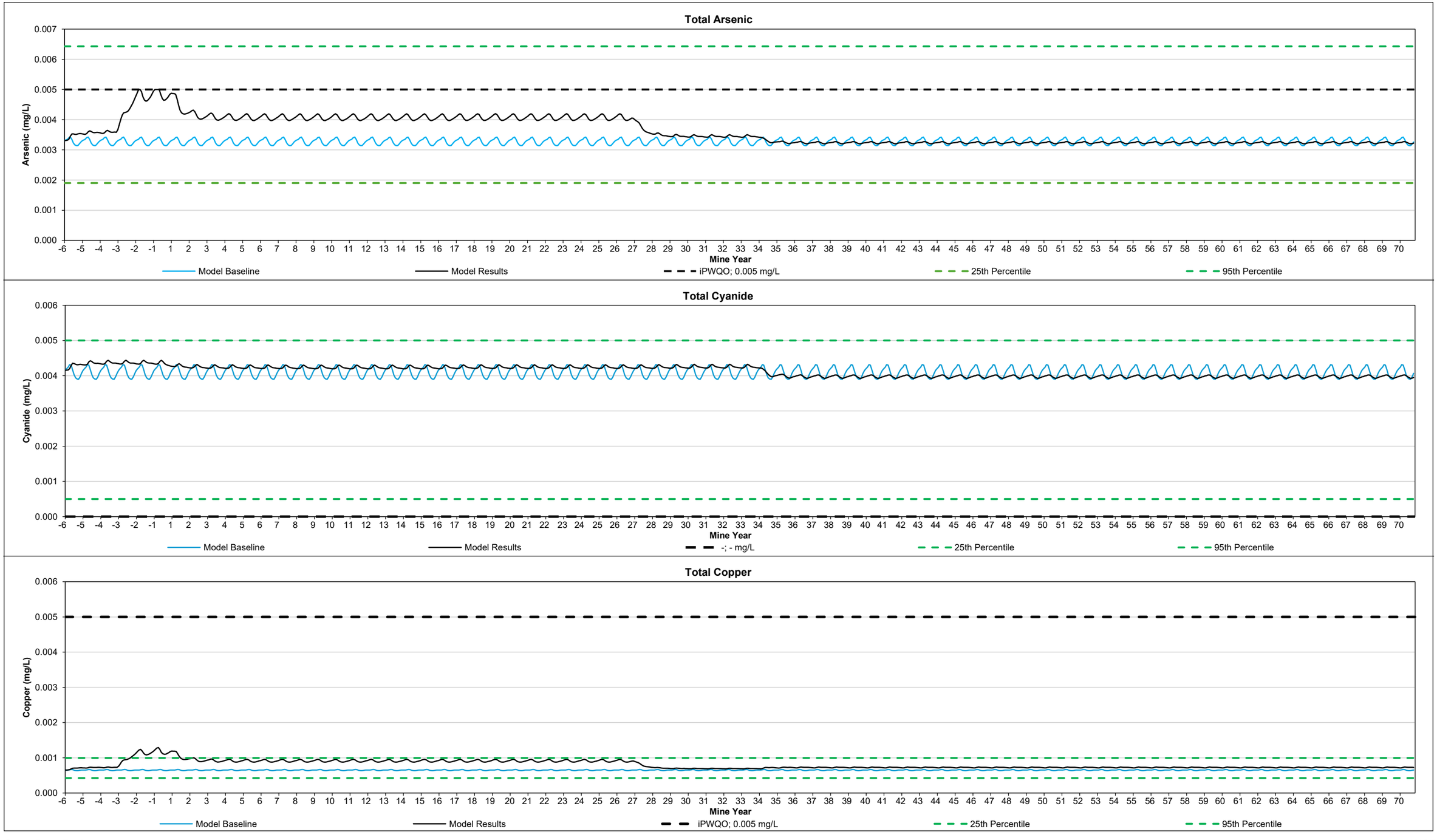
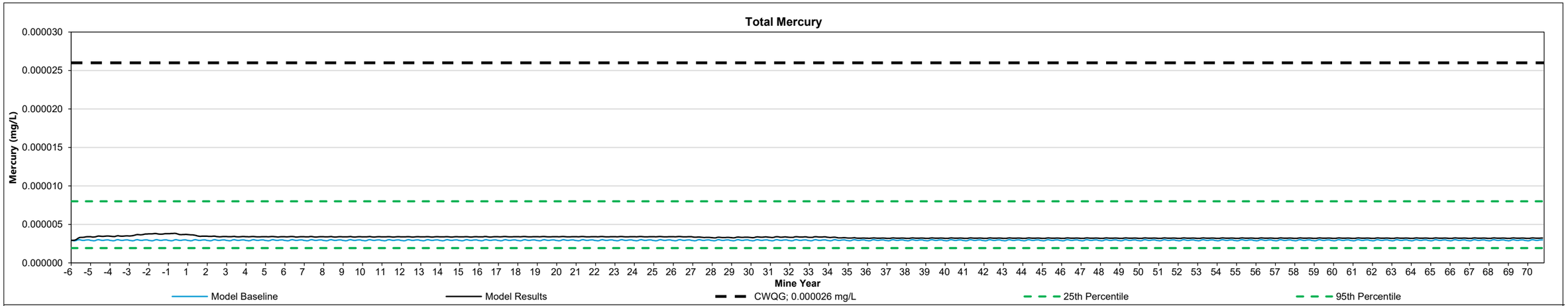
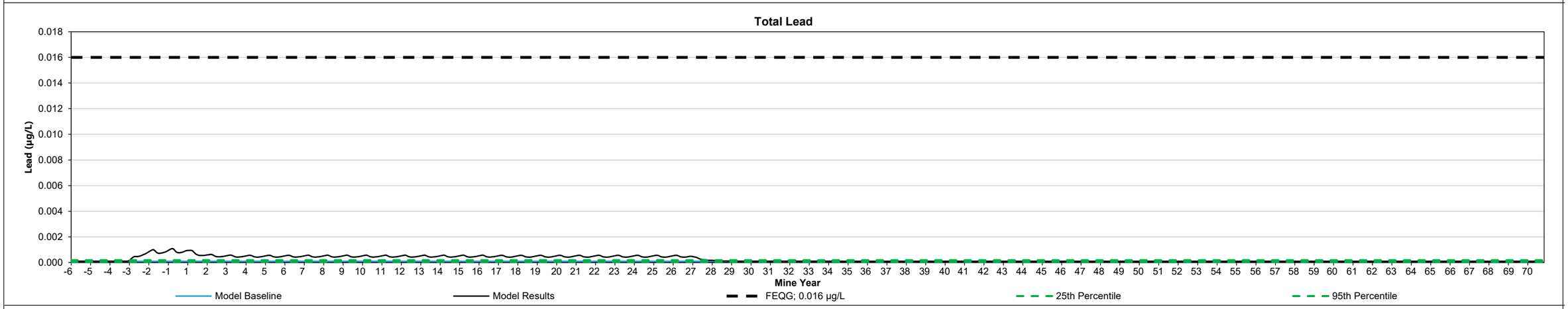


Figure F-15: Receiver Water Quality Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6) (continued)





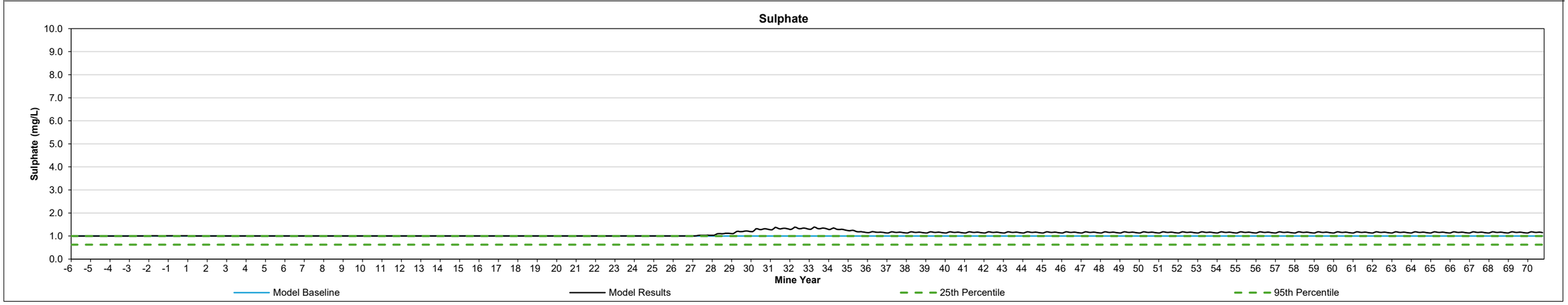


Figure F-15: Receiver Water Quality Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6) (continued)

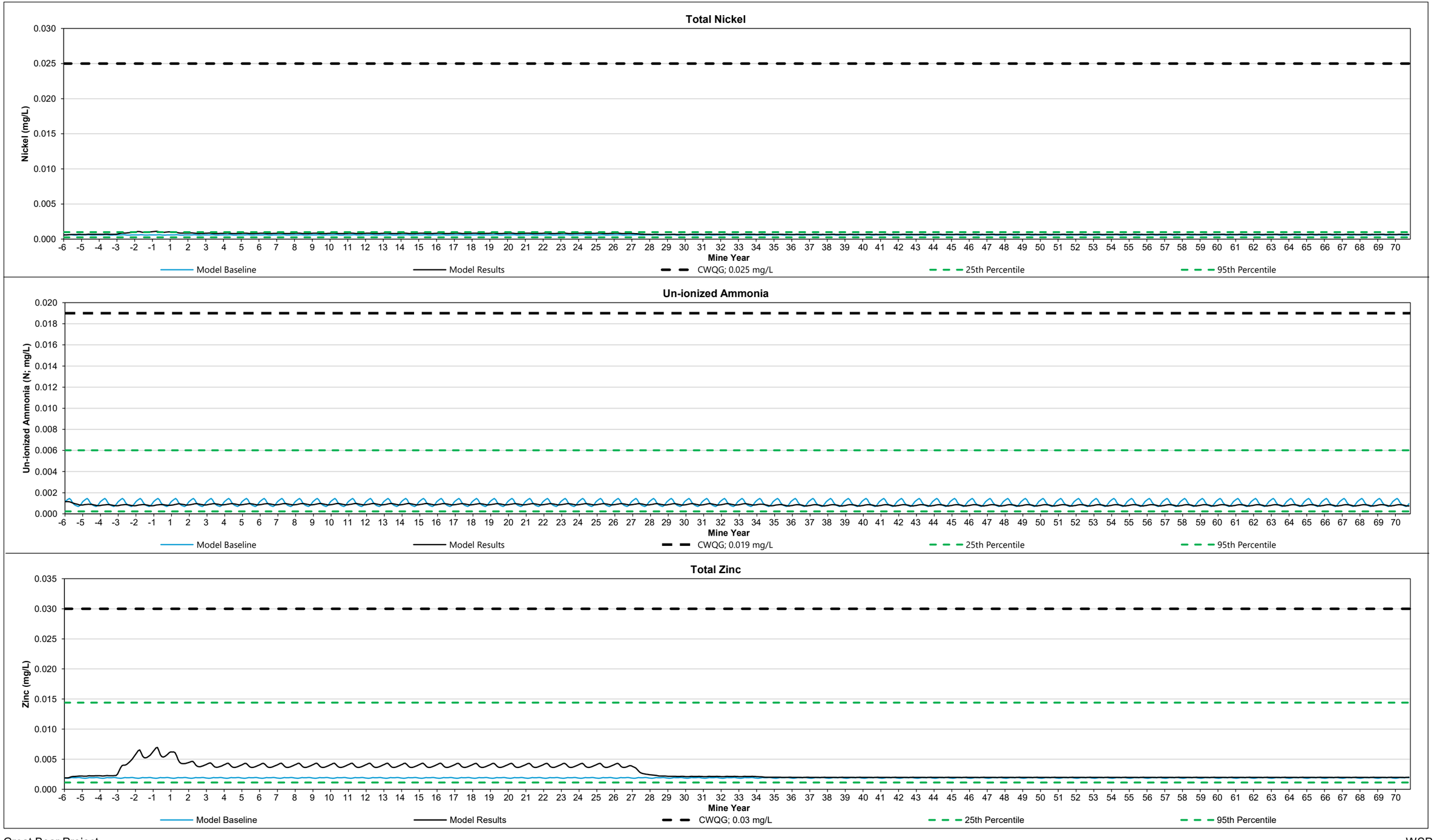


Figure F-16: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-3)

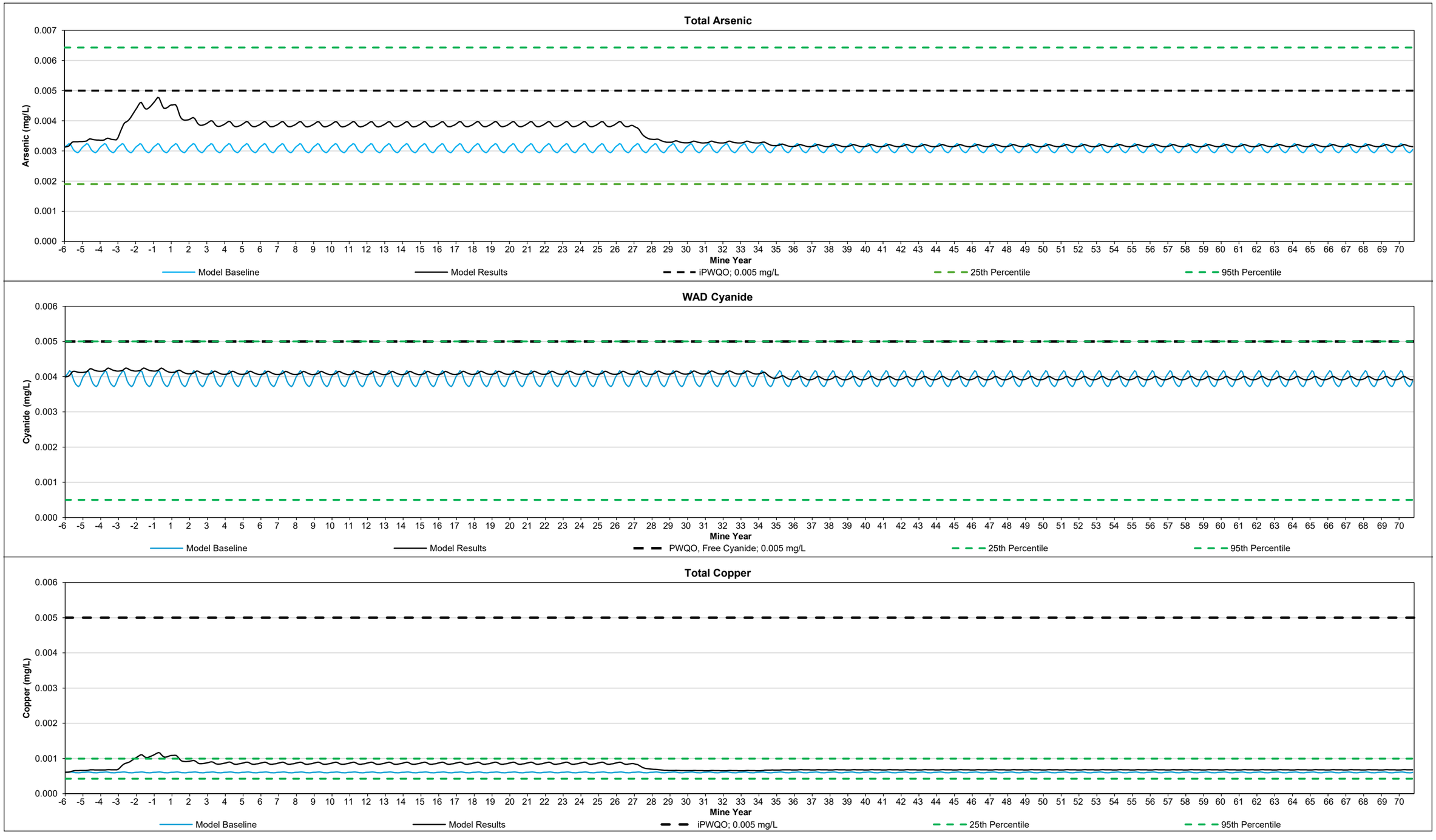
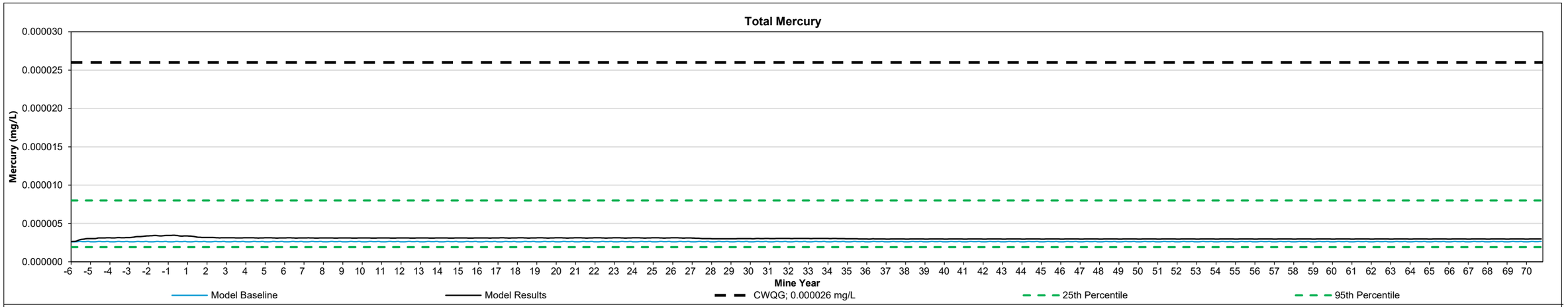
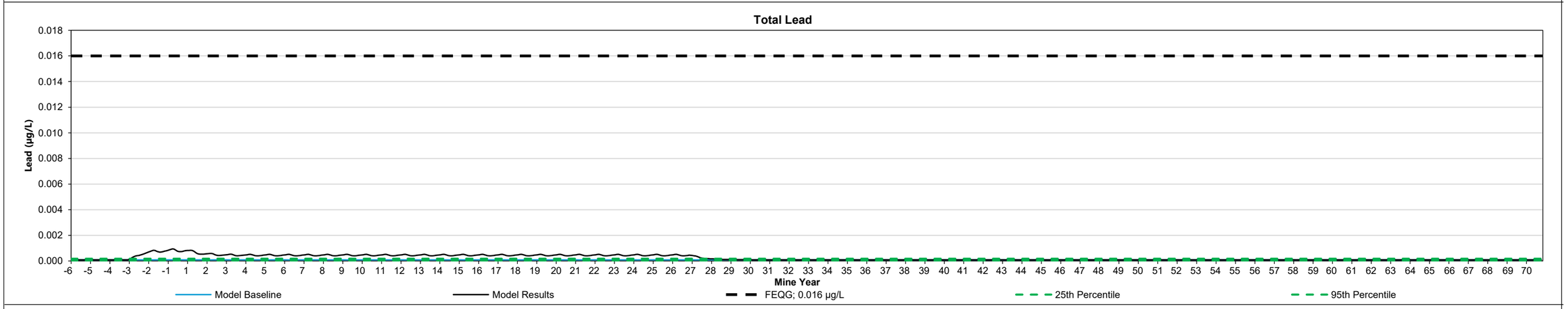


Figure F-16: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-3) (continued)





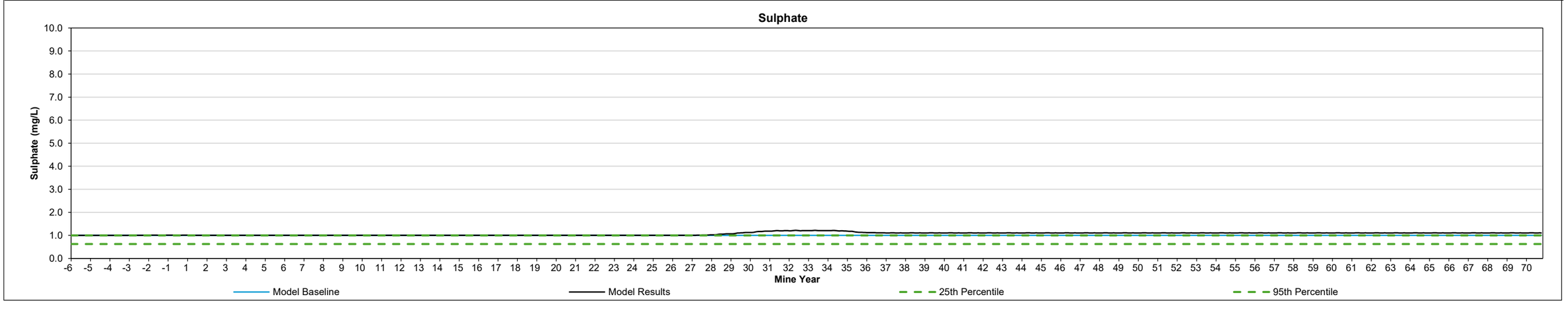
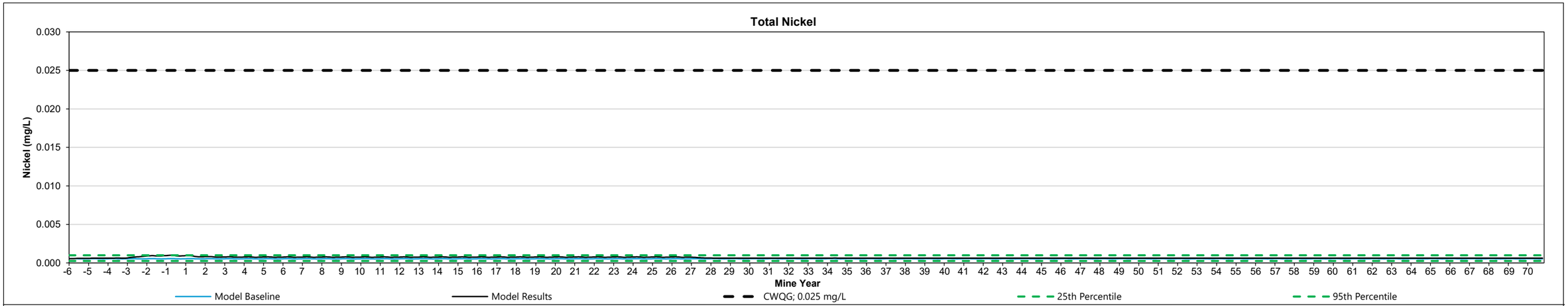
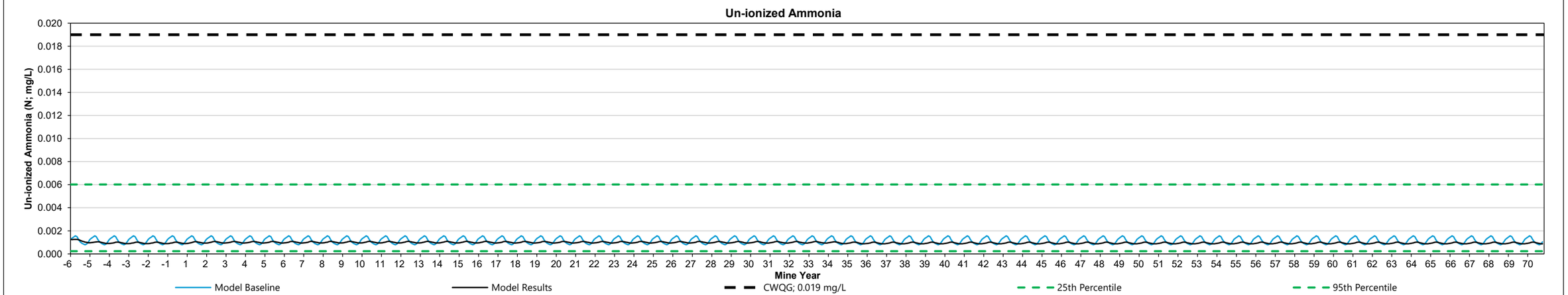


Figure F-16: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-3) (continued)





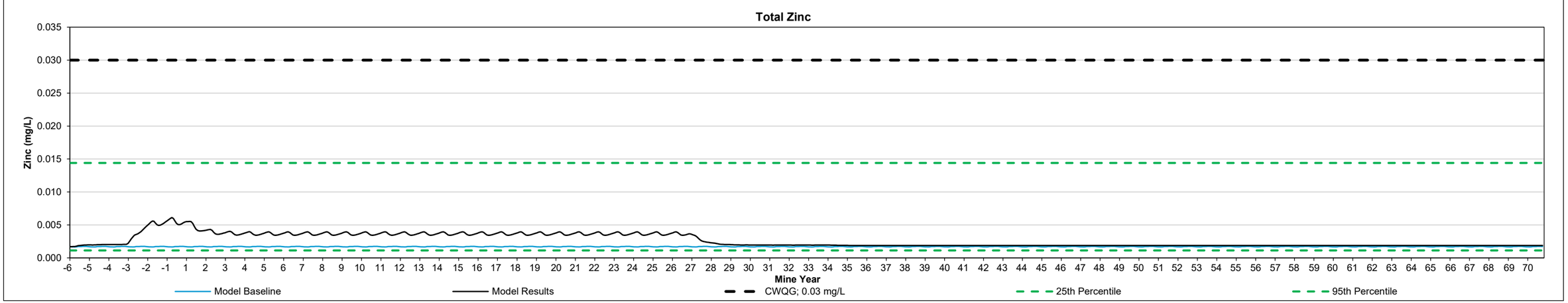


Figure F-17: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-4)

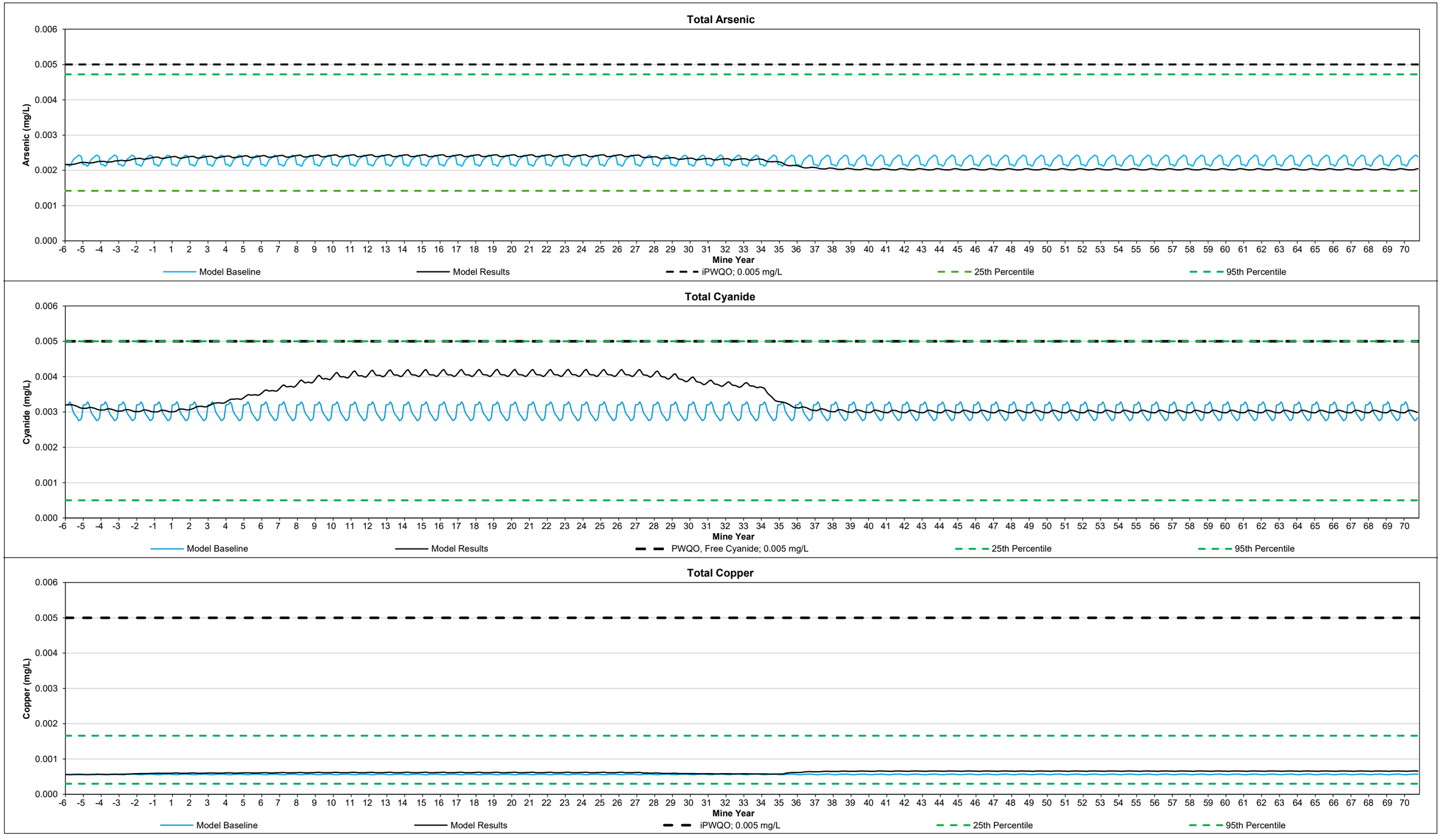


Figure F-17: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-4) (continued)

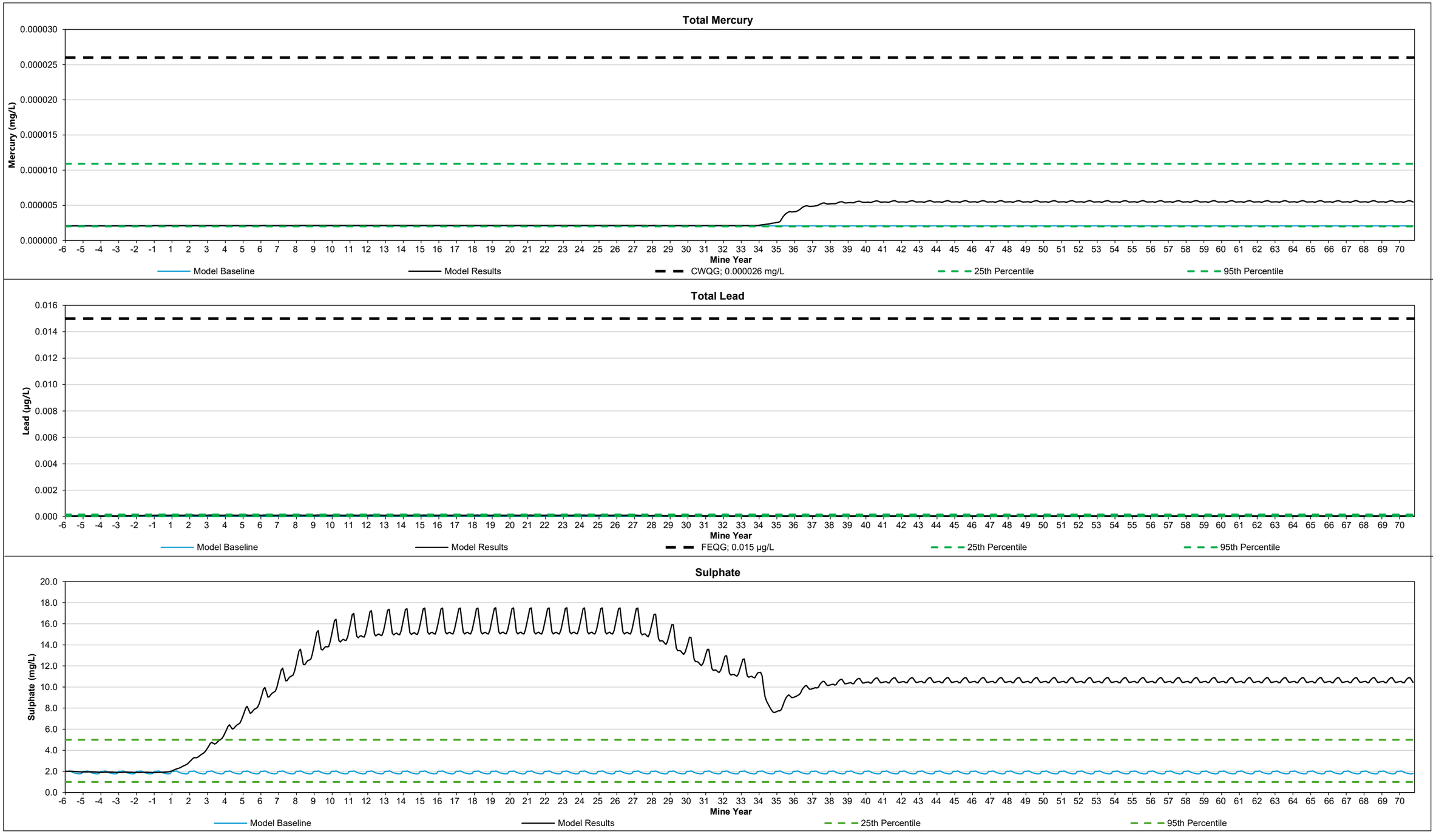
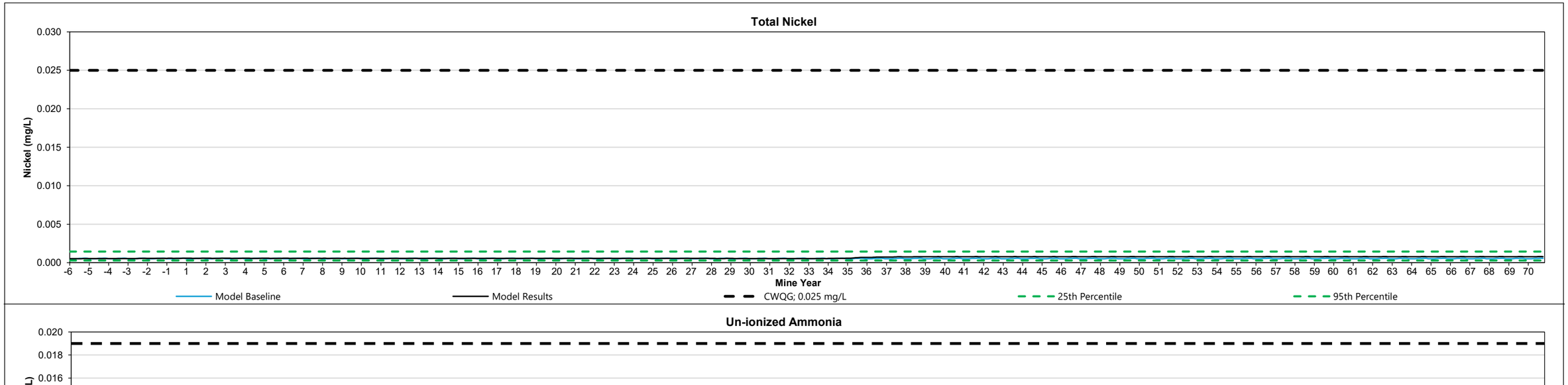
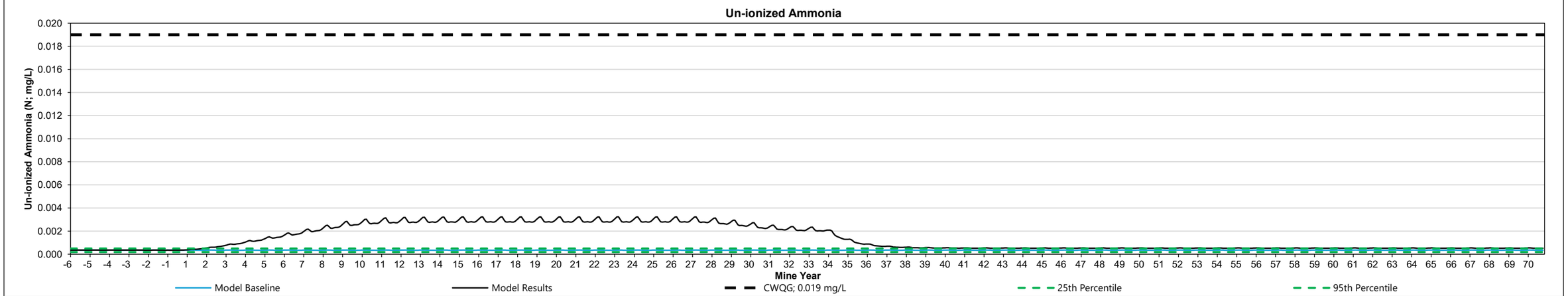


Figure F-17: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-4) (continued)





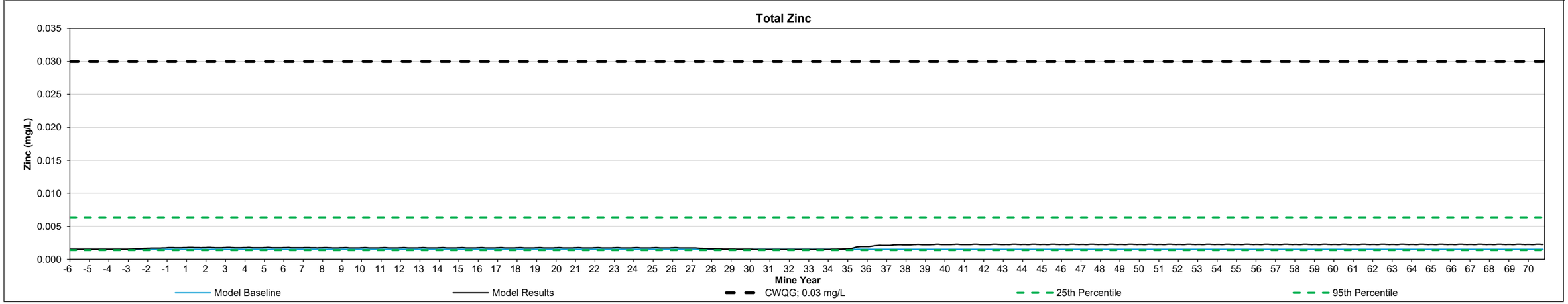


Figure F-18: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-5)

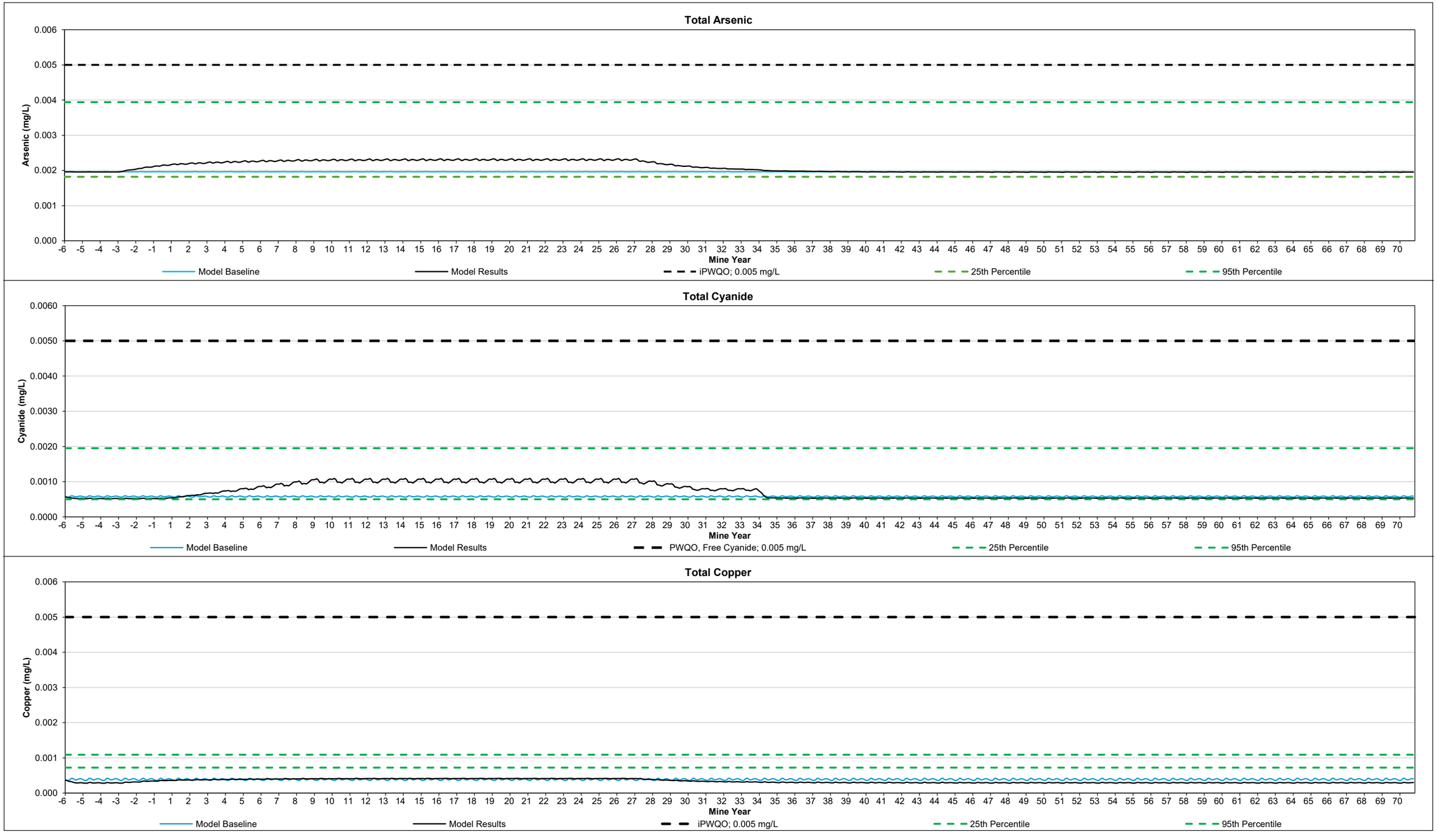
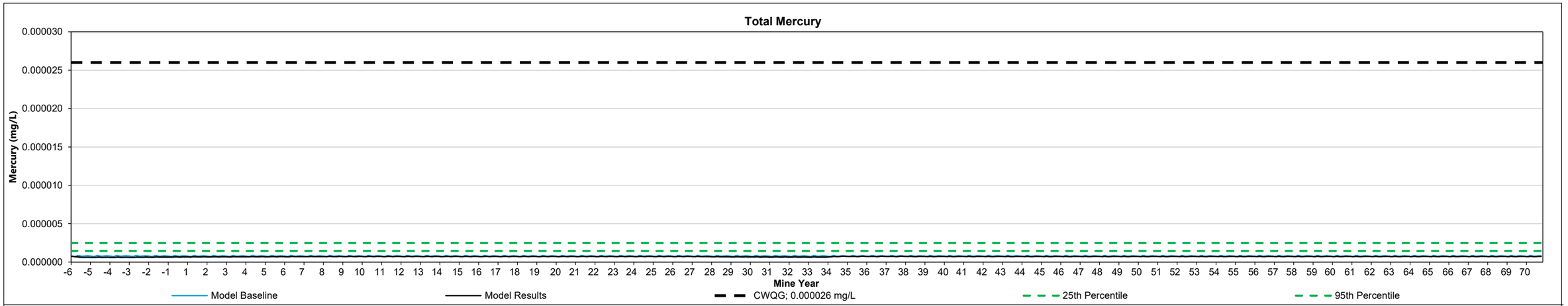
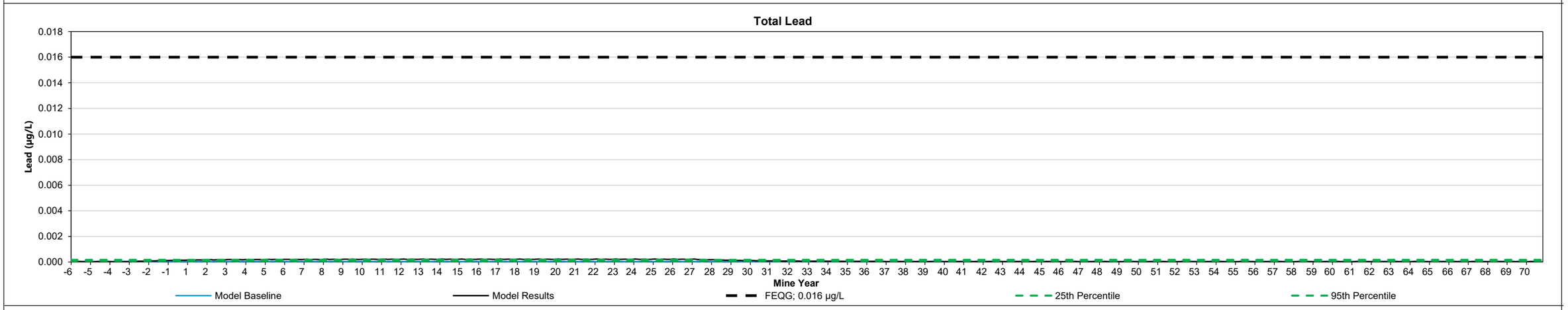


Figure F-18: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-5) (continued)





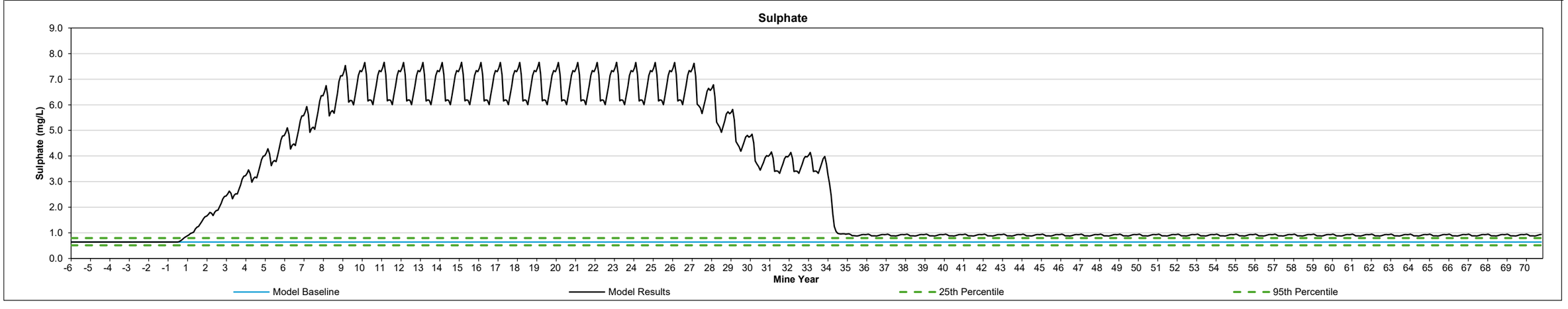


Figure F-18: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-5) (continued)

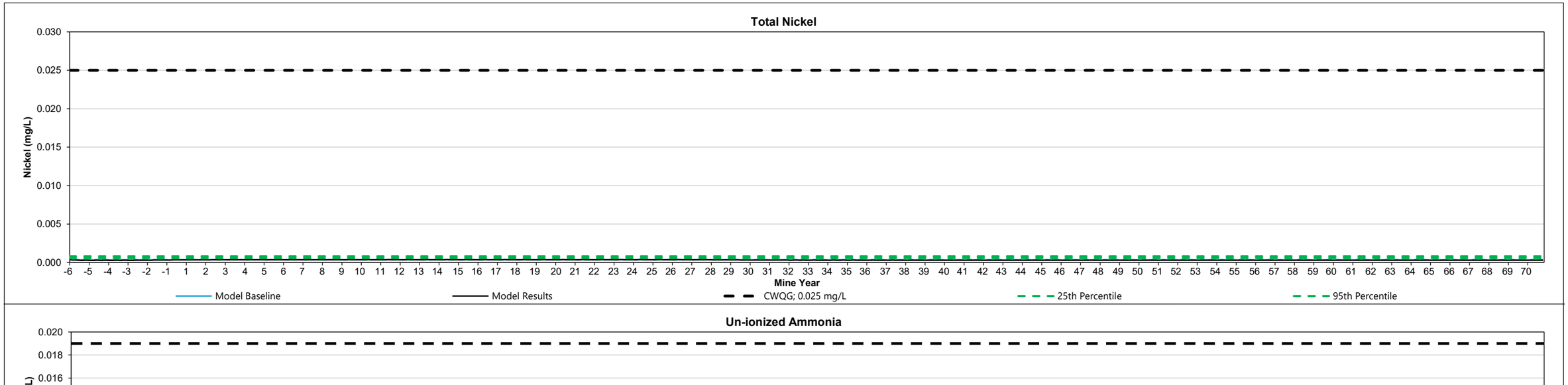


Figure F-19: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-6)

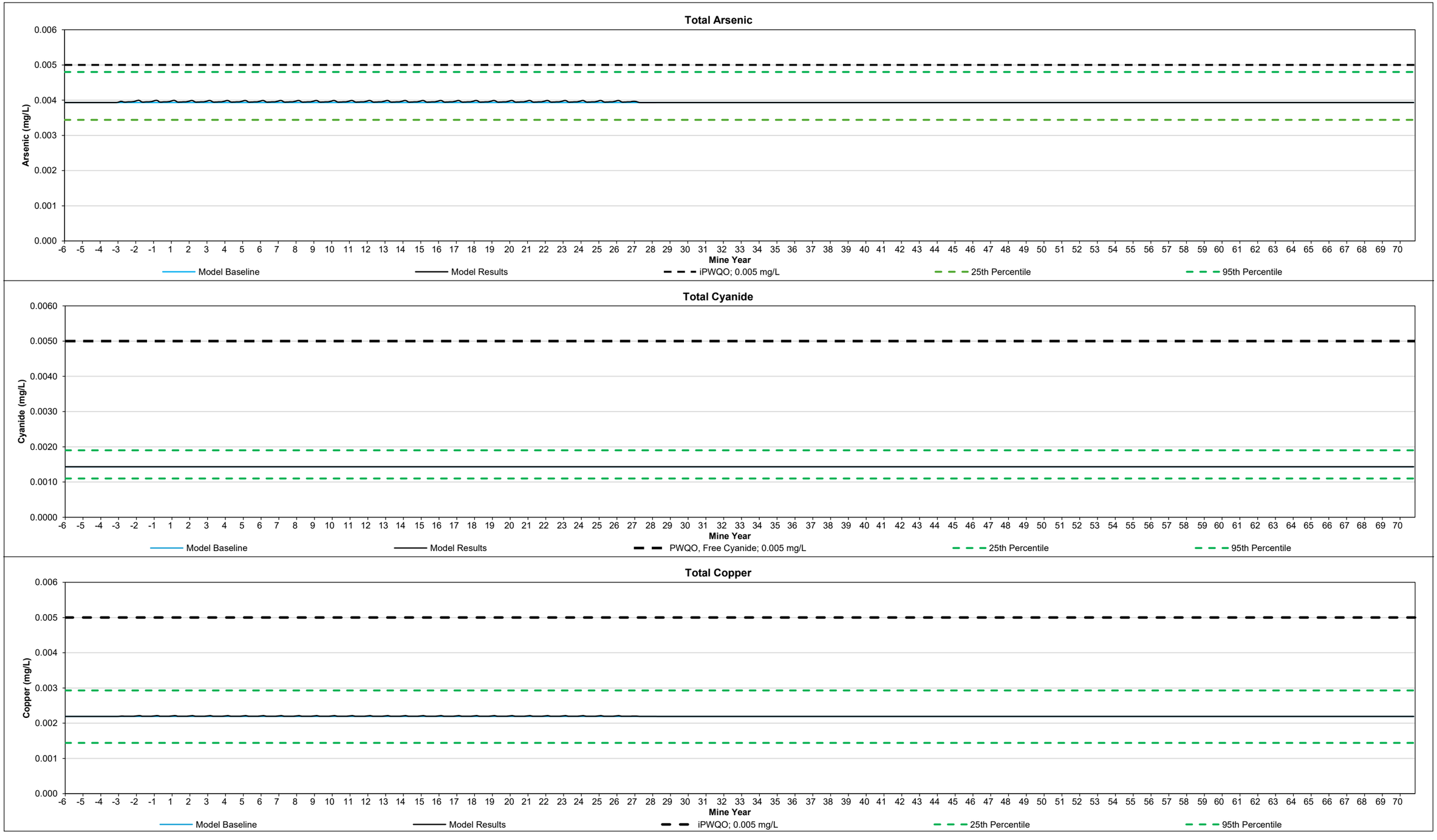
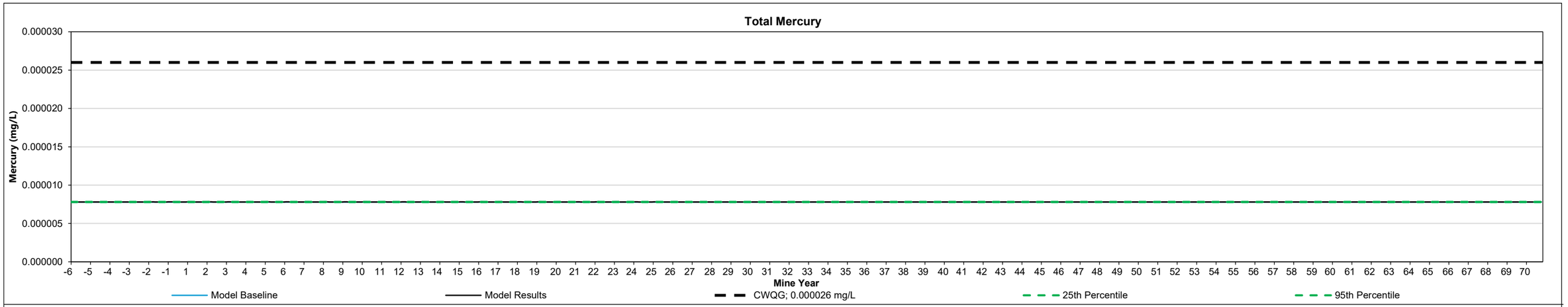
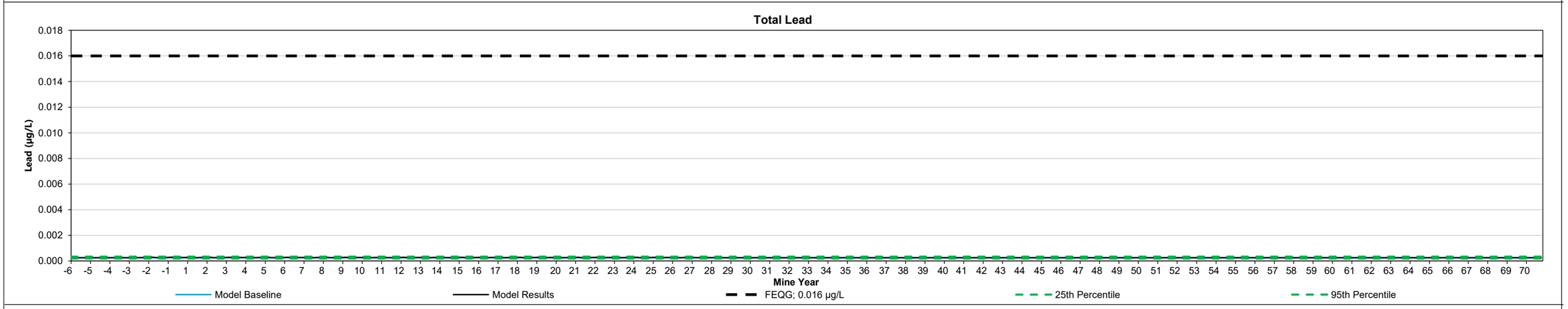


Figure F-19: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-6) (continued)





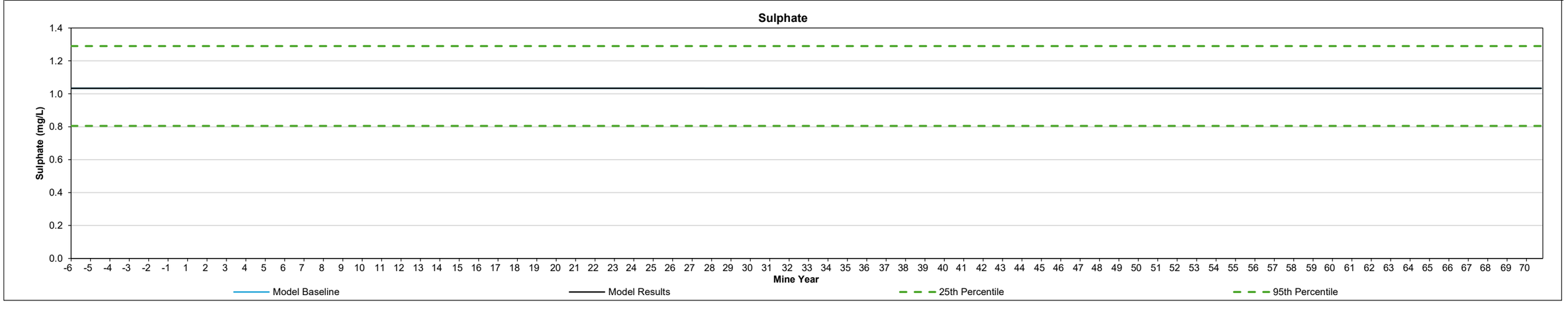
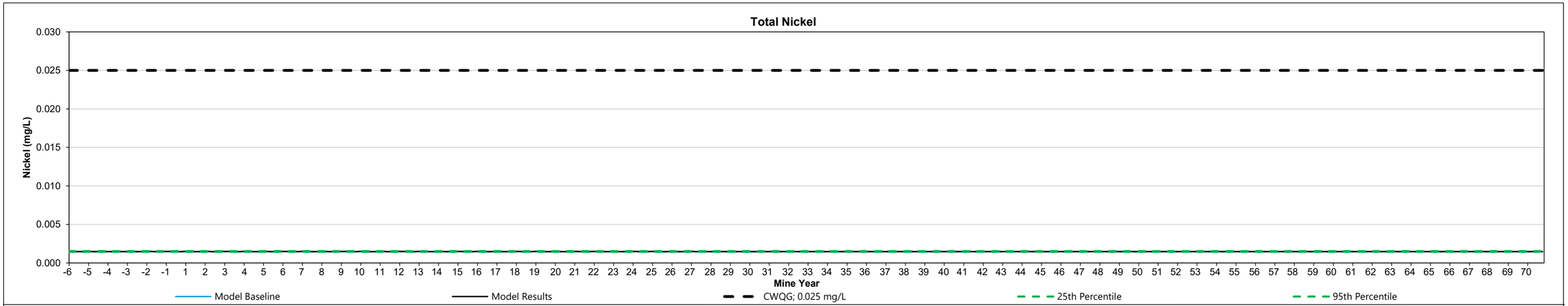
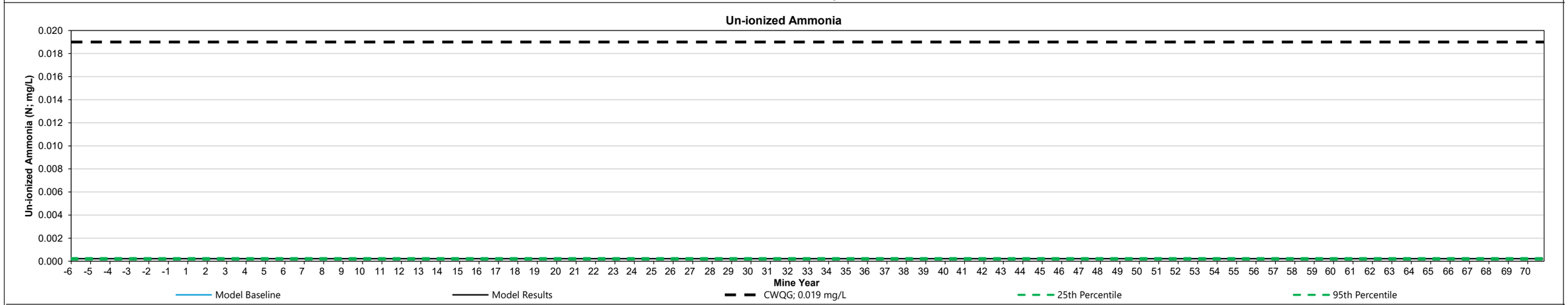
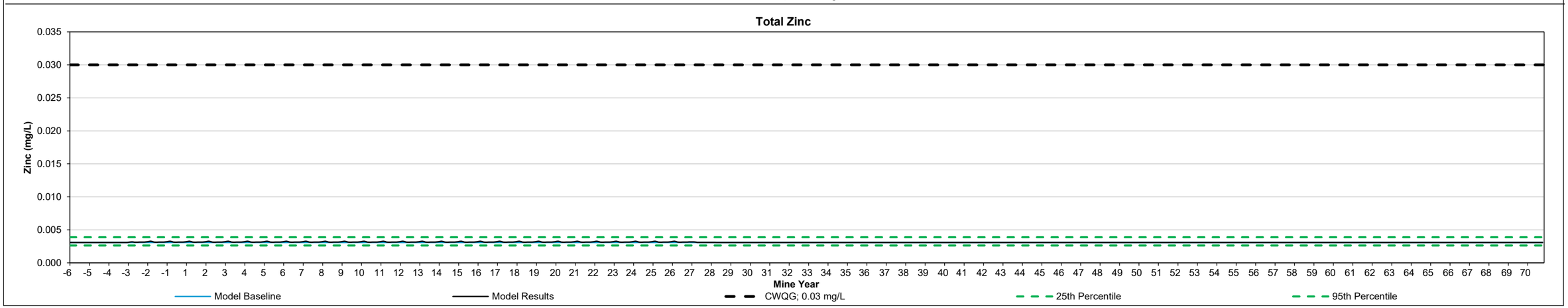


Figure F-19: Receiver Water Quality Results, Base Case, Small Unnamed Waterbodies and Watercourses (UN-6) (continued)







Appendix G
Base Case Model,
Timeseries Tabulated Results

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	2.6	0.033	0.033	0.0075	0.022	5.8	0.0027	0.1	0.00039	0.0079	0.000011	0.0077	0.0000065	11	0.00042	0.000096	0.0015	0.15
-6	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-6	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-6	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-6	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-6	June	2.6	0.014	0.0072	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-6	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
-6	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
-6	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
-6	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
-6	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-6	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-5	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-5	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-5	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-5	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-5	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-5	June	2.6	0.014	0.0072	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-5	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
-5	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
-5	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
-5	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
-5	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-5	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-4	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-4	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-4	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-4	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
-4	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-4	June	2.6	0.014	0.0072	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-4	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
-4	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
-4	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
-4	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
-4	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-4	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
-3	January	2.7	0.038	0.041	0.0079	0.023	6.1	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.000007	11	0.00043	0.0001	0.0016	0.15
-3	February	3.2	0.051	0.14	0.0087	0.028	6.2	0.0028	0.058	0.00045	0.0085	0.00001	0.005	0.0000074	12	0.0005	0.00009	0.0017	0.15
-3	March	3.2	0.052	0.14	0.0087	0.028	6.2	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000074	12	0.0005	0.00009	0.0016	0.15
-3	April	3.3	0.052	0.15	0.0088	0.028	6.2	0.0027	0.059	0.00046	0.0085	0.00001	0.005	0.0000075	12	0.0005	0.000091	0.0016	0.15
-3	May	2.6	0.018	0.014	0.00064	0.021	5.2	0.00051	0.16	0.00027	0.0055	0.00001	0.005	0.0000027	9.9	0.00052	0.00014	0.0014	0.23
-3	June	2.6	0.017	0.013	0.00062	0.021	5.2	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000027	9.9	0.00052	0.00014	0.0014	0.23
-3	July	2.7	0.023	0.016	0.0006	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000037	10	0.00047	0.00014	0.0015	0.22
-3	August	2.5	0.026	0.019	0.00064	0.021	5.4	0.0017	0.17	0.00035	0.0077	0.00001	0.005	0.0000048	8.4	0.00029	0.000091	0.0013	0.2
-3	September	2.5	0.043	0.022	0.0055	0.042	5.3	0.002	0.14	0.00035	0.012	0.0000094	0.0054	0.0000033	11	0.00037	0.00011	0.0013	0.16
-3	October	2.5	0.036	0.051	0.006	0.057	5.3	0.002	0.25	0.00037	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
-3	November	2.7	0.037	0.04	0.0079	0.023	6.1	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00043	0.0001	0.0016	0.15
-3	December	2.7	0.038	0.041	0.0079	0.023	6.1	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00043	0.0001	0.0016	0.15
-2	January	2.7	0.039	0.042	0.0079	0.023	6.1	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.000007	11	0.00043	0.0001	0.0016	0.15
-2	February	3.2	0.052	0.14	0.0087	0.028	6.2	0.0028	0.058	0.00046	0.0085	0.00001	0.005	0.0000074	12	0.0005	0.00009	0.0017	0.15
-2	March	3.2	0.052	0.14	0.0087	0.028	6.2	0.0028	0.058	0.00046	0.0085	0.00001	0.005	0.0000074	12	0.0005	0.00009	0.0016	0.15
-2	April	3.3	0.057	0.15	0.0089	0.028	6.4	0.0027	0.059	0.00046	0.0085	0.00001	0.0051	0.0000078	12	0.0005	0.000092	0.0016	0.15
-2	May	2.6	0.022	0.02	0.00078	0.021	5.3	0.00051	0.16	0.00028	0.0055	0.00001	0.005	0.0000003	9.9	0.00052	0.00014	0.0014	0.23
-2	June	2.6	0.021	0.019	0.00076	0.021	5.3	0.00051	0.16	0.00028	0.0055	0.00001	0.005	0.0000029	9.9	0.00052	0.00014	0.0015	0.23
-2	July	2.7	0.027	0.023	0.00073	0.034	4.1	0.0017	0.19	0.00037	0.007	0.00001	0.005	0.000004	10	0.00047	0.00014	0.0015	0.22
-2	August	2.5	0.03	0.026	0.00077	0.021	5.5	0.0017	0.17	0.00035	0.0077	0.00001	0.005	0.000005	8.4	0.00029	0.000092	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	2.5	0.047	0.029	0.0056	0.042	5.4	0.002	0.14	0.00036	0.012	0.0000094	0.0054	0.0000036	11	0.00037	0.00011	0.0013	0.16
-2	October	2.5	0.038	0.054	0.006	0.057	5.3	0.002	0.25	0.00037	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
-2	November	2.7	0.037	0.04	0.0079	0.023	6.1	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00043	0.0001	0.0016	0.15
-2	December	2.7	0.038	0.041	0.0079	0.023	6.1	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.000007	11	0.00043	0.0001	0.0016	0.15
-1	January	2.7	0.036	0.038	0.0078	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00043	0.0001	0.0016	0.15
-1	February	3.2	0.048	0.14	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0017	0.15
-1	March	3.2	0.048	0.14	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0016	0.15
-1	April	3.3	0.047	0.14	0.0086	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.000091	0.0016	0.15
-1	May	2.6	0.015	0.0087	0.00054	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000026	9.8	0.00052	0.00014	0.0014	0.23
-1	June	2.6	0.015	0.0085	0.00053	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
-1	July	2.7	0.041	0.046	0.0012	0.034	4.5	0.0017	0.19	0.00038	0.007	0.00001	0.0051	0.0000048	10	0.00047	0.00014	0.0015	0.22
-1	August	2.5	0.042	0.046	0.0012	0.021	5.9	0.0017	0.17	0.00037	0.0076	0.00001	0.0051	0.0000058	8.5	0.00029	0.000093	0.0013	0.2
-1	September	2.5	0.053	0.038	0.0058	0.042	5.6	0.002	0.14	0.00036	0.012	0.0000094	0.0054	0.000004	11	0.00037	0.00012	0.0013	0.16
-1	October	2.5	0.044	0.064	0.0062	0.057	5.5	0.002	0.25	0.00038	0.0095	0.000032	0.0057	0.000011	11	0.0011	0.00022	0.0017	0.31
-1	November	2.7	0.037	0.039	0.0078	0.023	6.1	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00043	0.0001	0.0016	0.15
-1	December	2.7	0.035	0.037	0.0078	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
1	January	2.7	0.035	0.036	0.0078	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
1	February	3.2	0.047	0.14	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0017	0.15
1	March	3.2	0.056	0.15	0.0089	0.028	6.4	0.0028	0.058	0.00046	0.0085	0.00001	0.0051	0.0000077	12	0.0005	0.000091	0.0017	0.15
1	April	3.3	0.12	0.25	0.011	0.028	7.7	0.003	0.059	0.00051	0.0085	0.00001	0.0053	0.000011	12	0.0005	0.00012	0.0017	0.15
1	May	2.6	0.07	0.1	0.0025	0.021	6.4	0.0007	0.16	0.00032	0.0055	0.00001	0.0053	0.0000053	10	0.00052	0.00017	0.0015	0.23
1	June	2.6	0.057	0.079	0.002	0.021	6.2	0.00065	0.16	0.00032	0.0055	0.00001	0.0052	0.0000048	10	0.00052	0.00016	0.0015	0.23
1	July	2.8	0.062	0.081	0.002	0.034	5.2	0.0017	0.19	0.00041	0.007	0.00001	0.0052	0.0000062	10	0.00047	0.00014	0.0015	0.22
1	August	2.6	0.08	0.11	0.0026	0.02	7.1	0.0017	0.17	0.00041	0.0076	0.00001	0.0053	0.0000082	8.7	0.00029	0.000097	0.0013	0.2
1	September	2.6	0.098	0.11	0.0074	0.042	7.0	0.002	0.14	0.00042	0.012	0.0000095	0.0057	0.0000069	11	0.00037	0.00012	0.0013	0.16
1	October	2.6	0.08	0.12	0.0075	0.057	6.6	0.002	0.25	0.00042	0.0094	0.000032	0.0059	0.000013	11	0.0011	0.00022	0.0017	0.31
1	November	2.8	0.044	0.05	0.0081	0.023	6.3	0.0028	0.1	0.00042	0.0081	0.000011	0.008	0.0000074	11	0.00043	0.0001	0.0016	0.15
1	December	2.7	0.043	0.05	0.0081	0.023	6.3	0.0028	0.1	0.00042	0.0081	0.000011	0.008	0.0000073	11	0.00043	0.0001	0.0016	0.15
2	January	2.7	0.035	0.036	0.0078	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
2	February	3.2	0.047	0.14	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0017	0.15
2	March	3.2	0.047	0.14	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0016	0.15
2	April	3.4	0.11	0.25	0.011	0.028	8.7	0.003	0.059	0.00055	0.0085	0.00001	0.0058	0.000013	12	0.0005	0.00012	0.0017	0.15
2	May	2.7	0.071	0.1	0.0025	0.021	7.0	0.0007	0.16	0.00034	0.0055	0.00001	0.0056	0.0000066	10	0.00052	0.00017	0.0015	0.23
2	June	2.7	0.058	0.081	0.0021	0.021	6.8	0.00066	0.16	0.00033	0.0055	0.00001	0.0055	0.000006	10	0.00052	0.00016	0.0015	0.23
2	July	2.8	0.063	0.082	0.002	0.034	5.8	0.0018	0.19	0.00043	0.007	0.00001	0.0056	0.0000074	11	0.00047	0.00015	0.0015	0.22
2	August	2.7	0.076	0.1	0.0024	0.02	7.8	0.0017	0.17	0.00044	0.0076	0.00001	0.0057	0.0000097	8.9	0.00029	0.0001	0.0013	0.2
2	September	2.7	0.098	0.11	0.0074	0.042	8.0	0.002	0.14	0.00045	0.012	0.0000096	0.0061	0.0000088	11	0.00037	0.00012	0.0013	0.16
2	October	2.7	0.088	0.14	0.0078	0.057	7.8	0.002	0.25	0.00046	0.0094	0.000032	0.0065	0.000015	12	0.0011	0.00023	0.0017	0.31
2	November	2.8	0.045	0.053	0.0081	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0081	0.0000078	11	0.00043	0.0001	0.0016	0.15
2	December	2.8	0.053	0.065	0.0084	0.023	6.8	0.0028	0.1	0.00044	0.0081	0.000011	0.0082	0.0000085	11	0.00043	0.0001	0.0016	0.15
3	January	2.7	0.037	0.039	0.0078	0.023	6.1	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000007	11	0.00043	0.0001	0.0016	0.15
3	February	3.2	0.048	0.14	0.0086	0.028	6.2	0.0028	0.058	0.00045	0.0085	0.00001	0.005	0.0000073	12	0.0005	0.00009	0.0017	0.15
3	March	3.2	0.049	0.14	0.0087	0.028	6.2	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000075	12	0.0005	0.00009	0.0017	0.15
3	April	3.5	0.12	0.25	0.011	0.028	8.7	0.003	0.059	0.00054	0.0085	0.00001	0.0059	0.000014	12	0.0005	0.00012	0.0017	0.15
3	May	2.7	0.074	0.11	0.0026	0.021	7.1	0.00071	0.16	0.00034	0.0055	0.00001	0.0057	0.0000075	10	0.00052	0.00017	0.0015	0.23
3	June	2.7	0.06	0.083	0.0021	0.021	6.8	0.00066	0.16	0.00033	0.0055	0.00001	0.0056	0.0000066	10	0.00052	0.00016	0.0015	0.23
3	July	2.9	0.064	0.084	0.0021	0.034	5.9	0.0018	0.19	0.00043	0.007	0.00001	0.0056	0.0000082	11	0.00048	0.00015	0.0015	0.22
3	August	2.7	0.078	0.11	0.0025	0.02	7.8	0.0017	0.17	0.00043	0.0076	0.00001	0.0058	0.000011	8.9	0.00029	0.000099	0.0013	0.2
3	September	2.7	0.099	0.12	0.0074	0.042	7.9	0.002	0.14	0.00044	0.012	0.0000096	0.0062	0.0000096	11	0.00037	0.00012	0.0013	0.16
3	October	2.7	0.095	0.15	0.008	0.057	8.0	0.002	0.25	0.00046	0.0094	0.000032	0.0066	0.000017	12	0.0011	0.00023	0.0017	0.31
3	November	2.8	0.05	0.061	0.0083	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0082	0.0000085	11	0.00043	0.0001	0.0016	0.15
3	December	2.8	0.045	0.053	0.0081	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0082	0.0000079	11	0.00043	0.0001	0.0016	0.15
4	January	2.7	0.037	0.039	0.0079	0.023	6.1	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000071	11	0.00043	0.0001	0.0016	0.15
4	February	3.3	0.061	0.16	0.0091	0.028	6.8	0.0028	0.058	0.00048	0.0085	0.00001	0.0053	0.0000092	12	0.0005	0.000092	0.0017	0.15
4	March	3.2	0.05	0.14	0.0087	0.028	6.3	0.0028	0.058	0.00046	0.0085	0.00001	0.0051	0.0000076	12	0.0005	0.00009	0.0017	0.15
4	April	3.5	0.12	0.25	0.011	0.028	9.2	0.003	0.059	0.00056	0.0085	0.00001	0.0061	0.000016	12	0.0005	0.00012	0.0017	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	2.8	0.074	0.11	0.0026	0.021	7.3	0.00071	0.16	0.00035	0.0055	0.00001	0.0058	0.0000087	10	0.00052	0.00017	0.0015	0.23
4	June	2.7	0.066	0.093	0.0024	0.021	7.0	0.00068	0.16	0.00033	0.0055	0.00001	0.0057	0.0000077	10	0.00052	0.00016	0.0015	0.23
4	July	2.9	0.064	0.084	0.0021	0.034	6.0	0.0017	0.19	0.00043	0.007	0.00001	0.0057	0.0000094	11	0.00048	0.00015	0.0015	0.22
4	August	2.7	0.082	0.11	0.0026	0.02	8.3	0.0017	0.17	0.00044	0.0076	0.00001	0.006	0.000013	9	0.00029	0.0001	0.0013	0.2
4	September	2.7	0.1	0.12	0.0075	0.042	8.2	0.002	0.14	0.00045	0.012	0.0000097	0.0064	0.000011	11	0.00037	0.00012	0.0013	0.16
4	October	2.7	0.095	0.15	0.008	0.057	8.3	0.002	0.25	0.00047	0.0094	0.000032	0.0068	0.000019	12	0.0011	0.00023	0.0017	0.31
4	November	2.8	0.059	0.077	0.0086	0.023	7.2	0.0028	0.1	0.00045	0.0081	0.000011	0.0084	0.00001	12	0.00043	0.0001	0.0016	0.15
4	December	2.8	0.049	0.059	0.0083	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0082	0.0000087	11	0.00043	0.0001	0.0016	0.15
5	January	2.8	0.048	0.058	0.0082	0.023	6.6	0.0028	0.1	0.00043	0.0081	0.000011	0.0082	0.0000089	11	0.00043	0.0001	0.0016	0.15
5	February	3.3	0.065	0.17	0.0092	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0053	0.00001	12	0.0005	0.000092	0.0017	0.15
5	March	3.2	0.051	0.14	0.0087	0.028	6.3	0.0028	0.058	0.00046	0.0085	0.00001	0.0051	0.0000079	12	0.0005	0.00009	0.0017	0.15
5	April	3.5	0.12	0.26	0.011	0.028	9.1	0.003	0.059	0.00056	0.0085	0.00001	0.0061	0.000018	12	0.0005	0.00012	0.0017	0.15
5	May	2.8	0.075	0.11	0.0027	0.021	7.2	0.00072	0.16	0.00035	0.0055	0.00001	0.0058	0.0000098	10	0.00052	0.00017	0.0015	0.23
5	June	2.7	0.066	0.094	0.0024	0.021	6.9	0.00068	0.16	0.00033	0.0055	0.00001	0.0057	0.0000086	10	0.00052	0.00016	0.0015	0.23
5	July	2.9	0.066	0.087	0.0021	0.034	6.0	0.0018	0.19	0.00043	0.007	0.00001	0.0057	0.00001	11	0.00048	0.00015	0.0015	0.22
5	August	2.7	0.082	0.11	0.0026	0.02	8.1	0.0017	0.17	0.00045	0.0076	0.00001	0.006	0.000014	9	0.00029	0.000099	0.0013	0.2
5	September	2.7	0.1	0.12	0.0075	0.042	8.0	0.002	0.14	0.00045	0.012	0.0000097	0.0063	0.000013	11	0.00037	0.00012	0.0013	0.16
5	October	2.8	0.096	0.15	0.0081	0.057	8.2	0.002	0.25	0.00047	0.0094	0.000032	0.0067	0.00002	12	0.0011	0.00023	0.0017	0.31
5	November	2.9	0.063	0.083	0.0088	0.023	7.3	0.0028	0.1	0.00045	0.0081	0.000011	0.0084	0.000011	12	0.00043	0.0001	0.0016	0.15
5	December	2.8	0.056	0.071	0.0085	0.023	7.0	0.0028	0.1	0.00044	0.0081	0.000011	0.0083	0.00001	12	0.00043	0.0001	0.0016	0.15
6	January	2.8	0.05	0.062	0.0083	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0082	0.0000095	11	0.00043	0.0001	0.0016	0.15
6	February	3.3	0.071	0.18	0.0094	0.028	7.2	0.0028	0.058	0.00049	0.0085	0.00001	0.0054	0.000011	12	0.0005	0.000093	0.0017	0.15
6	March	3.3	0.062	0.16	0.0091	0.028	6.8	0.0028	0.058	0.00048	0.0085	0.00001	0.0052	0.0000099	12	0.0005	0.000092	0.0017	0.15
6	April	3.5	0.12	0.26	0.011	0.028	9.1	0.003	0.059	0.00056	0.0085	0.00001	0.006	0.000019	12	0.0005	0.00013	0.0017	0.15
6	May	2.8	0.075	0.11	0.0027	0.021	7.2	0.00072	0.16	0.00035	0.0055	0.00001	0.0058	0.00001	10	0.00052	0.00017	0.0015	0.23
6	June	2.7	0.066	0.094	0.0024	0.021	6.8	0.00069	0.16	0.00034	0.0055	0.00001	0.0056	0.000009	10	0.00052	0.00016	0.0015	0.23
6	July	2.9	0.067	0.089	0.0022	0.034	5.9	0.0018	0.19	0.00044	0.007	0.00001	0.0057	0.000011	11	0.00048	0.00015	0.0015	0.22
6	August	2.7	0.083	0.11	0.0027	0.02	8.1	0.0017	0.17	0.00045	0.0076	0.00001	0.0059	0.000015	9	0.00029	0.000099	0.0013	0.2
6	September	2.7	0.1	0.12	0.0075	0.042	8.0	0.002	0.14	0.00045	0.012	0.0000097	0.0062	0.000014	11	0.00037	0.00012	0.0013	0.16
6	October	2.7	0.096	0.15	0.0081	0.057	8.1	0.002	0.25	0.00047	0.0094	0.000032	0.0066	0.000021	12	0.0011	0.00023	0.0017	0.31
6	November	2.9	0.074	0.1	0.0091	0.023	7.8	0.0028	0.1	0.00047	0.0081	0.000011	0.0086	0.000014	12	0.00043	0.0001	0.0016	0.15
6	December	2.8	0.057	0.073	0.0086	0.023	7.0	0.0028	0.1	0.00044	0.0081	0.000011	0.0083	0.000011	12	0.00043	0.0001	0.0016	0.15
7	January	2.8	0.052	0.064	0.0084	0.023	6.8	0.0028	0.1	0.00044	0.0081	0.000011	0.0082	0.00001	11	0.00043	0.0001	0.0016	0.15
7	February	3.4	0.081	0.19	0.0098	0.028	7.6	0.0028	0.058	0.00051	0.0085	0.00001	0.0055	0.000014	12	0.0005	0.000094	0.0017	0.15
7	March	3.3	0.067	0.17	0.0093	0.028	7.0	0.0028	0.058	0.00049	0.0085	0.00001	0.0053	0.000011	12	0.0005	0.000092	0.0017	0.15
7	April	3.5	0.13	0.27	0.011	0.028	9.2	0.003	0.06	0.00057	0.0085	0.000011	0.006	0.00002	12	0.0005	0.00013	0.0017	0.15
7	May	2.8	0.075	0.11	0.0027	0.021	7.1	0.00072	0.16	0.00035	0.0055	0.00001	0.0057	0.000011	10	0.00052	0.00017	0.0015	0.23
7	June	2.7	0.067	0.095	0.0024	0.021	6.8	0.00069	0.16	0.00034	0.0055	0.00001	0.0056	0.0000095	10	0.00052	0.00016	0.0015	0.23
7	July	2.9	0.066	0.088	0.0021	0.034	5.9	0.0018	0.19	0.00044	0.007	0.00001	0.0056	0.000012	11	0.00048	0.00015	0.0015	0.22
7	August	2.7	0.084	0.12	0.0027	0.02	8.0	0.0017	0.17	0.00045	0.0076	0.00001	0.0058	0.000016	9	0.00029	0.000098	0.0013	0.2
7	September	2.8	0.1	0.12	0.0075	0.042	7.9	0.002	0.14	0.00046	0.012	0.0000097	0.0062	0.000015	11	0.00037	0.00012	0.0013	0.16
7	October	2.8	0.097	0.15	0.0081	0.057	8.1	0.002	0.25	0.00048	0.0094	0.000032	0.0066	0.000022	12	0.0011	0.00023	0.0017	0.31
7	November	2.9	0.072	0.098	0.0091	0.023	7.7	0.0028	0.1	0.00047	0.0081	0.000011	0.0085	0.000014	12	0.00043	0.0001	0.0016	0.15
7	December	2.8	0.059	0.075	0.0086	0.023	7.1	0.0028	0.1	0.00045	0.0081	0.000011	0.0083	0.000011	12	0.00043	0.0001	0.0016	0.15
8	January	2.8	0.052	0.065	0.0084	0.023	6.8	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000097	11	0.00043	0.0001	0.0016	0.15
8	February	3.3	0.069	0.17	0.0094	0.028	7.1	0.0028	0.058	0.00049	0.0085	0.00001	0.0053	0.000011	12	0.0005	0.000092	0.0017	0.15
8	March	3.4	0.082	0.2	0.0098	0.028	7.7	0.0028	0.058	0.00051	0.0085	0.00001	0.0055	0.000013	12	0.0005	0.000094	0.0017	0.15
8	April	3.5	0.14	0.28	0.012	0.028	9.2	0.003	0.059	0.00056	0.0085	0.00001	0.0061	0.000018	12	0.0005	0.00013	0.0017	0.15
8	May	2.8	0.076	0.11	0.0027	0.021	7.1	0.00072	0.16	0.00034	0.0055	0.00001	0.0058	0.00001	10	0.00052	0.00017	0.0015	0.23
8	June	2.7	0.067	0.096	0.0024	0.021	6.8	0.00069	0.16	0.00033	0.0055	0.00001	0.0056	0.0000087	10	0.00052	0.00016	0.0015	0.23
8	July	2.9	0.067	0.089	0.0022	0.034	5.9	0.0018	0.19	0.00043	0.007	0.00001	0.0057	0.000011	11	0.00048	0.00015	0.0015	0.22
8	August	2.7	0.084	0.12	0.0027	0.02	8.1	0.0017	0.17	0.00044	0.0076	0.00001	0.0059	0.000014	9	0.00029	0.000098	0.0013	0.2
8	September	2.8	0.1	0.12	0.0076	0.042	8.0	0.002	0.14	0.00045	0.012	0.0000097	0.0063	0.000013	11	0.00037	0.00012	0.0013	0.16
8	October	2.8	0.098	0.15	0.0081	0.057	8.1	0.002	0.25	0.00047	0.0094	0.000032	0.0067	0.000021	12	0.0011	0.00023	0.0017	0.31
8	November	2.9	0.065	0.086	0.0088	0.023	7.3	0.0028	0.1	0.00045	0.0081	0.000011	0.0084	0.000012	12	0.00043	0.0001	0.0016	0.15
8	December	2.8	0.056	0.071	0.0085	0.023	6.9	0.0028	0.1	0.00044	0.0081	0.000011	0.0083	0.00001	12	0.00043	0.0001	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	2.8	0.054	0.068	0.0084	0.023	6.9	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000091	12	0.00043	0.0001	0.0016	0.15
9	February	3.3	0.072	0.18	0.0095	0.028	7.2	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.00001	12	0.0005	0.000092	0.0017	0.15
9	March	3.4	0.081	0.19	0.0098	0.028	7.7	0.0028	0.058	0.0005	0.0085	0.00001	0.0056	0.000011	12	0.0005	0.000094	0.0017	0.15
9	April	3.5	0.14	0.3	0.012	0.028	9.2	0.0031	0.059	0.00054	0.0084	0.00001	0.0063	0.000015	12	0.0005	0.00013	0.0017	0.15
9	May	2.8	0.077	0.11	0.0027	0.021	7.2	0.00072	0.16	0.00033	0.0055	0.00001	0.0058	0.0000079	10	0.00052	0.00017	0.0015	0.23
9	June	2.7	0.068	0.096	0.0024	0.021	6.9	0.00069	0.16	0.00032	0.0055	0.00001	0.0057	0.000007	10	0.00052	0.00017	0.0015	0.23
9	July	2.9	0.068	0.091	0.0022	0.034	6.0	0.0018	0.19	0.00042	0.007	0.00001	0.0057	0.0000087	11	0.00048	0.00015	0.0015	0.22
9	August	2.7	0.084	0.12	0.0027	0.02	8.1	0.0017	0.17	0.00043	0.0076	0.00001	0.006	0.000012	9	0.00029	0.000098	0.0013	0.2
9	September	2.8	0.1	0.12	0.0076	0.042	8.0	0.002	0.14	0.00043	0.012	0.0000096	0.0063	0.00001	11	0.00037	0.00012	0.0013	0.16
9	October	2.8	0.098	0.15	0.0081	0.057	8.2	0.002	0.25	0.00045	0.0094	0.000032	0.0067	0.000018	12	0.0011	0.00023	0.0017	0.31
9	November	2.8	0.058	0.074	0.0086	0.023	7.0	0.0028	0.1	0.00044	0.0081	0.000011	0.0084	0.0000094	12	0.00043	0.0001	0.0016	0.15
9	December	2.8	0.05	0.06	0.0083	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0082	0.0000085	11	0.00043	0.0001	0.0016	0.15
10	January	2.8	0.064	0.089	0.0089	0.023	6.9	0.0029	0.1	0.00043	0.0081	0.000011	0.0084	0.0000087	11	0.00043	0.00011	0.0016	0.15
10	February	3.3	0.07	0.18	0.0094	0.028	7.1	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.0000093	12	0.0005	0.000093	0.0017	0.15
10	March	3.4	0.083	0.2	0.0098	0.028	7.7	0.0028	0.058	0.0005	0.0085	0.00001	0.0056	0.000011	12	0.0005	0.000094	0.0017	0.15
10	April	3.5	0.14	0.29	0.012	0.028	9.2	0.003	0.059	0.00054	0.0084	0.00001	0.0062	0.000014	12	0.0005	0.00013	0.0017	0.15
10	May	2.7	0.074	0.11	0.0026	0.021	7.1	0.00071	0.16	0.00033	0.0055	0.00001	0.0058	0.0000067	10	0.00052	0.00017	0.0015	0.23
10	June	2.7	0.067	0.096	0.0024	0.021	6.9	0.00069	0.16	0.00032	0.0055	0.00001	0.0057	0.0000062	10	0.00052	0.00016	0.0015	0.23
10	July	2.9	0.068	0.09	0.0022	0.034	6.0	0.0018	0.19	0.00042	0.007	0.00001	0.0057	0.0000078	11	0.00048	0.00015	0.0015	0.22
10	August	2.7	0.084	0.12	0.0027	0.02	8.2	0.0017	0.17	0.00043	0.0076	0.00001	0.006	0.00001	9	0.00029	0.000099	0.0013	0.2
10	September	2.7	0.1	0.12	0.0076	0.042	8.1	0.002	0.14	0.00043	0.012	0.0000096	0.0063	0.0000091	11	0.00037	0.00012	0.0013	0.16
10	October	2.8	0.098	0.15	0.0081	0.057	8.2	0.002	0.25	0.00045	0.0094	0.000032	0.0067	0.000016	12	0.0011	0.00023	0.0017	0.31
10	November	2.8	0.059	0.075	0.0086	0.023	7.1	0.0028	0.1	0.00044	0.0081	0.000011	0.0084	0.0000091	12	0.00043	0.0001	0.0016	0.15
10	December	2.8	0.053	0.066	0.0084	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000082	11	0.00043	0.00011	0.0016	0.15
11	January	2.8	0.062	0.081	0.0087	0.023	6.9	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000086	11	0.00043	0.00011	0.0016	0.15
11	February	3.3	0.07	0.18	0.0094	0.028	7.1	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.0000093	12	0.0005	0.000093	0.0017	0.15
11	March	3.4	0.083	0.2	0.0099	0.028	7.7	0.0028	0.058	0.0005	0.0085	0.00001	0.0056	0.000011	12	0.0005	0.000095	0.0017	0.15
11	April	3.5	0.14	0.3	0.012	0.028	9.2	0.0031	0.059	0.00054	0.0084	0.00001	0.0063	0.000014	12	0.0005	0.00013	0.0017	0.15
11	May	2.7	0.074	0.11	0.0026	0.021	7.1	0.00071	0.16	0.00033	0.0055	0.00001	0.0058	0.0000066	10	0.00052	0.00017	0.0015	0.23
11	June	2.7	0.067	0.096	0.0024	0.021	6.8	0.00069	0.16	0.00032	0.0055	0.00001	0.0057	0.0000062	10	0.00052	0.00016	0.0015	0.23
11	July	2.9	0.067	0.088	0.0022	0.034	5.9	0.0017	0.19	0.00042	0.007	0.00001	0.0058	0.0000078	11	0.00048	0.00015	0.0015	0.22
11	August	2.7	0.084	0.12	0.0027	0.02	8.1	0.0017	0.17	0.00043	0.0076	0.00001	0.0061	0.00001	9	0.00029	0.000099	0.0013	0.2
11	September	2.7	0.1	0.12	0.0076	0.042	8.0	0.002	0.14	0.00043	0.012	0.0000096	0.0064	0.0000091	11	0.00037	0.00012	0.0013	0.16
11	October	2.8	0.098	0.15	0.0081	0.057	8.1	0.002	0.25	0.00045	0.0094	0.000032	0.0068	0.000016	12	0.0011	0.00023	0.0017	0.31
11	November	2.8	0.059	0.075	0.0086	0.023	7.1	0.0028	0.1	0.00044	0.0081	0.000011	0.0084	0.000009	12	0.00043	0.0001	0.0016	0.15
11	December	2.8	0.058	0.077	0.0086	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000083	11	0.00043	0.00011	0.0016	0.15
12	January	2.8	0.053	0.067	0.0084	0.023	6.8	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.0001	0.0016	0.15
12	February	3.3	0.071	0.18	0.0094	0.028	7.2	0.0028	0.058	0.00049	0.0085	0.00001	0.0054	0.0000095	12	0.0005	0.000093	0.0017	0.15
12	March	3.4	0.097	0.22	0.01	0.028	7.7	0.0029	0.058	0.0005	0.0085	0.00001	0.0057	0.000011	12	0.0005	0.00011	0.0017	0.15
12	April	3.5	0.13	0.28	0.012	0.028	8.8	0.003	0.059	0.00054	0.0085	0.00001	0.0062	0.000013	12	0.0005	0.00013	0.0017	0.15
12	May	2.8	0.076	0.11	0.0027	0.021	7.1	0.00072	0.16	0.00034	0.0055	0.00001	0.0059	0.000007	10	0.00052	0.00017	0.0015	0.23
12	June	2.7	0.067	0.096	0.0024	0.021	6.8	0.00069	0.16	0.00033	0.0055	0.00001	0.0057	0.0000063	10	0.00052	0.00016	0.0015	0.23
12	July	2.9	0.068	0.09	0.0022	0.034	5.9	0.0018	0.19	0.00043	0.007	0.00001	0.0058	0.0000079	11	0.00048	0.00015	0.0015	0.22
12	August	2.7	0.084	0.12	0.0027	0.02	8.1	0.0017	0.17	0.00043	0.0076	0.00001	0.0061	0.00001	9	0.00029	0.000099	0.0013	0.2
12	September	2.7	0.1	0.12	0.0076	0.042	8.0	0.002	0.14	0.00044	0.012	0.0000096	0.0064	0.0000092	11	0.00037	0.00012	0.0013	0.16
12	October	2.7	0.095	0.15	0.008	0.057	8.0	0.002	0.25	0.00046	0.0094	0.000032	0.0068	0.000016	12	0.0011	0.00023	0.0017	0.31
12	November	2.8	0.053	0.066	0.0084	0.023	6.8	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.0001	0.0016	0.15
12	December	2.8	0.063	0.083	0.0088	0.023	6.9	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000087	11	0.00043	0.00011	0.0016	0.15
13	January	2.8	0.055	0.069	0.0085	0.023	6.8	0.0028	0.1	0.00043	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.00011	0.0016	0.15
13	February	3.3	0.071	0.18	0.0094	0.028	7.1	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.0000096	12	0.0005	0.000093	0.0017	0.15
13	March	3.3	0.08	0.19	0.0098	0.028	7.3	0.0029	0.058	0.00049	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.00011	0.0017	0.15
13	April	3.5	0.14	0.3	0.012	0.028	9.0	0.0031	0.059	0.00054	0.0084	0.00001	0.0063	0.000014	12	0.0005	0.00014	0.0017	0.15
13	May	2.8	0.074	0.11	0.0027	0.021	6.9	0.00071	0.16	0.00033	0.0055	0.00001	0.0058	0.000007	10	0.00052	0.00017	0.0015	0.23
13	June	2.7	0.067	0.096	0.0024	0.021	6.7	0.00069	0.16	0.00032	0.0055	0.00001	0.0057	0.0000065	10	0.00052	0.00016	0.0015	0.23
13	July	2.9	0.068	0.091	0.0022	0.034	5.8	0.0018	0.19	0.00042	0.007	0.00001	0.0058	0.0000081	11	0.00048	0.00015	0.0015	0.22
13	August	2.7	0.084	0.12	0.0027	0.02	7.9	0.0017	0.17	0.00043	0.0076	0.00001	0.0061	0.000011	9	0.00029	0.000099	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	2.8	0.1	0.12	0.0076	0.042	7.8	0.002	0.14	0.00043	0.012	0.0000096	0.0064	0.0000096	11	0.00037	0.00012	0.0013	0.16
13	October	2.8	0.097	0.15	0.0081	0.057	7.9	0.002	0.25	0.00045	0.0094	0.000032	0.0068	0.000017	12	0.0011	0.00023	0.0017	0.31
13	November	2.8	0.049	0.059	0.0083	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0082	0.0000082	11	0.00043	0.0001	0.0016	0.15
13	December	2.8	0.055	0.07	0.0085	0.023	6.9	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000089	12	0.00043	0.0001	0.0016	0.15
14	January	2.8	0.069	0.094	0.009	0.023	6.8	0.0029	0.1	0.00043	0.0081	0.000011	0.0085	0.0000093	11	0.00043	0.00012	0.0016	0.15
14	February	3.3	0.071	0.18	0.0094	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.0000097	12	0.0005	0.000092	0.0017	0.15
14	March	3.3	0.069	0.17	0.0094	0.028	6.9	0.0028	0.058	0.00047	0.0085	0.00001	0.0054	0.0000096	12	0.0005	0.000091	0.0017	0.15
14	April	3.5	0.14	0.28	0.012	0.028	8.1	0.003	0.059	0.00051	0.0084	0.00001	0.0063	0.000014	12	0.0005	0.00013	0.0017	0.15
14	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00072	0.16	0.00032	0.0055	0.00001	0.0059	0.0000075	10	0.00052	0.00017	0.0015	0.23
14	June	2.7	0.068	0.096	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.0000067	10	0.00052	0.00017	0.0015	0.23
14	July	2.9	0.07	0.094	0.0023	0.034	5.4	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000083	11	0.00048	0.00015	0.0015	0.22
14	August	2.7	0.093	0.13	0.003	0.02	7.4	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000011	9	0.00029	0.00012	0.0013	0.2
14	September	2.7	0.12	0.15	0.0081	0.042	7.3	0.0023	0.14	0.00041	0.012	0.0000096	0.0066	0.00001	11	0.00037	0.00015	0.0013	0.16
14	October	2.7	0.099	0.16	0.0082	0.057	6.9	0.0022	0.25	0.00042	0.0094	0.000032	0.0067	0.000016	11	0.0011	0.00025	0.0017	0.31
14	November	2.8	0.051	0.063	0.0083	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.0001	0.0016	0.15
14	December	2.8	0.059	0.079	0.0087	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.00011	0.0016	0.15
15	January	2.8	0.057	0.072	0.0085	0.023	6.7	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000092	11	0.00043	0.0001	0.0016	0.15
15	February	3.3	0.077	0.19	0.0098	0.028	6.8	0.0029	0.058	0.00047	0.0085	0.00001	0.0054	0.0000094	12	0.0005	0.00011	0.0017	0.15
15	March	3.3	0.072	0.18	0.0095	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.0000099	12	0.0005	0.000092	0.0017	0.15
15	April	3.5	0.14	0.29	0.012	0.028	8.3	0.003	0.059	0.00052	0.0084	0.00001	0.0062	0.000014	12	0.0005	0.00013	0.0017	0.15
15	May	2.8	0.076	0.11	0.0027	0.021	6.6	0.00072	0.16	0.00032	0.0055	0.00001	0.0059	0.0000077	10	0.00052	0.00017	0.0015	0.23
15	June	2.7	0.068	0.096	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0057	0.0000069	10	0.00052	0.00017	0.0015	0.23
15	July	2.9	0.067	0.089	0.0022	0.034	5.4	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000085	11	0.00048	0.00014	0.0015	0.22
15	August	2.7	0.093	0.13	0.003	0.02	7.4	0.0019	0.17	0.00041	0.0076	0.00001	0.0061	0.000011	9	0.00029	0.00012	0.0013	0.2
15	September	2.7	0.12	0.15	0.0081	0.042	7.3	0.0023	0.14	0.00041	0.012	0.0000097	0.0065	0.00001	11	0.00037	0.00015	0.0013	0.16
15	October	2.7	0.1	0.16	0.0083	0.057	7.0	0.0022	0.25	0.00042	0.0094	0.000032	0.0067	0.000016	12	0.0011	0.00025	0.0017	0.31
15	November	2.8	0.05	0.06	0.0083	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0082	0.0000084	11	0.00043	0.0001	0.0016	0.15
15	December	2.8	0.055	0.069	0.0085	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000086	11	0.00043	0.00011	0.0016	0.15
16	January	2.8	0.062	0.081	0.0087	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0084	0.0000089	11	0.00043	0.00011	0.0016	0.15
16	February	3.3	0.072	0.18	0.0095	0.028	6.9	0.0028	0.058	0.00047	0.0085	0.00001	0.0054	0.0000098	12	0.0005	0.000092	0.0017	0.15
16	March	3.3	0.084	0.2	0.01	0.028	6.9	0.0029	0.058	0.00047	0.0085	0.00001	0.0055	0.0000099	12	0.0005	0.00011	0.0017	0.15
16	April	3.5	0.14	0.28	0.012	0.028	8.1	0.003	0.059	0.00051	0.0084	0.00001	0.0062	0.000014	12	0.0005	0.00013	0.0017	0.15
16	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00073	0.16	0.00032	0.0055	0.00001	0.0059	0.0000076	10	0.00052	0.00017	0.0015	0.23
16	June	2.7	0.068	0.097	0.0024	0.021	6.3	0.00069	0.16	0.00031	0.0055	0.00001	0.0057	0.0000068	10	0.00052	0.00017	0.0015	0.23
16	July	2.9	0.068	0.091	0.0022	0.034	5.4	0.0018	0.19	0.0004	0.007	0.00001	0.0058	0.0000084	11	0.00048	0.00015	0.0015	0.22
16	August	2.7	0.094	0.13	0.0031	0.02	7.3	0.0019	0.17	0.0004	0.0076	0.00001	0.0061	0.000011	8.9	0.00029	0.00012	0.0013	0.2
16	September	2.7	0.12	0.15	0.0081	0.042	7.2	0.0023	0.14	0.00041	0.012	0.0000096	0.0065	0.00001	11	0.00037	0.00015	0.0013	0.16
16	October	2.7	0.1	0.17	0.0084	0.057	6.9	0.0022	0.25	0.00042	0.0094	0.000032	0.0067	0.000016	11	0.0011	0.00025	0.0017	0.31
16	November	2.8	0.051	0.063	0.0084	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.0001	0.0016	0.15
16	December	2.8	0.06	0.082	0.0087	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000086	11	0.00043	0.00011	0.0016	0.15
17	January	2.8	0.055	0.069	0.0085	0.023	6.6	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.000009	11	0.00043	0.0001	0.0016	0.15
17	February	3.3	0.086	0.21	0.01	0.028	6.9	0.0029	0.058	0.00048	0.0085	0.00001	0.0056	0.00001	12	0.0005	0.00011	0.0017	0.15
17	March	3.3	0.073	0.18	0.0095	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.000093	0.0017	0.15
17	April	3.5	0.14	0.29	0.012	0.028	8.1	0.003	0.059	0.00051	0.0084	0.00001	0.0063	0.000014	12	0.0005	0.00013	0.0017	0.15
17	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00073	0.16	0.00032	0.0055	0.00001	0.0059	0.0000078	10	0.00052	0.00017	0.0015	0.23
17	June	2.7	0.068	0.096	0.0024	0.021	6.3	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.0000069	10	0.00052	0.00017	0.0015	0.23
17	July	2.9	0.068	0.091	0.0022	0.034	5.4	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000086	11	0.00048	0.00015	0.0015	0.22
17	August	2.7	0.094	0.13	0.0031	0.02	7.3	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000012	8.9	0.00029	0.00012	0.0013	0.2
17	September	2.8	0.12	0.15	0.0081	0.042	7.2	0.0023	0.14	0.00041	0.012	0.0000097	0.0066	0.00001	11	0.00037	0.00015	0.0013	0.16
17	October	2.7	0.1	0.17	0.0084	0.057	6.9	0.0022	0.25	0.00042	0.0094	0.000032	0.0068	0.000016	11	0.0011	0.00025	0.0017	0.31
17	November	2.8	0.052	0.065	0.0084	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.0001	0.0016	0.15
17	December	2.8	0.06	0.08	0.0087	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.00011	0.0016	0.15
18	January	2.8	0.058	0.075	0.0086	0.023	6.6	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000091	11	0.00043	0.00011	0.0016	0.15
18	February	3.3	0.086	0.2	0.0099	0.028	6.9	0.0029	0.058	0.00048	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.00011	0.0017	0.15
18	March	3.3	0.072	0.18	0.0095	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0054	0.00001	12	0.0005	0.000092	0.0017	0.15
18	April	3.5	0.14	0.29	0.012	0.028	8.1	0.003	0.059	0.00051	0.0084	0.00001	0.0062	0.000014	12	0.00051	0.00013	0.0017	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00073	0.16	0.00032	0.0055	0.00001	0.0059	0.0000079	10	0.00052	0.00017	0.0015	0.23
18	June	2.7	0.068	0.097	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0057	0.000007	10	0.00052	0.00017	0.0015	0.23
18	July	2.9	0.071	0.095	0.0023	0.034	5.4	0.0019	0.19	0.00041	0.007	0.00001	0.0058	0.0000087	11	0.00048	0.00015	0.0015	0.22
18	August	2.7	0.093	0.13	0.003	0.02	7.3	0.0019	0.17	0.0004	0.0076	0.00001	0.0061	0.000012	8.9	0.00029	0.00011	0.0013	0.2
18	September	2.7	0.12	0.15	0.0081	0.042	7.2	0.0023	0.14	0.00041	0.012	0.0000097	0.0065	0.00001	11	0.00037	0.00015	0.0013	0.16
18	October	2.7	0.1	0.16	0.0082	0.057	6.9	0.0022	0.25	0.00042	0.0094	0.000032	0.0067	0.000016	11	0.0011	0.00025	0.0017	0.31
18	November	2.8	0.06	0.079	0.0087	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000088	11	0.00043	0.00011	0.0016	0.15
18	December	2.8	0.055	0.07	0.0085	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.00011	0.0016	0.15
19	January	2.8	0.066	0.087	0.0089	0.023	6.7	0.0029	0.1	0.00043	0.0081	0.000011	0.0084	0.0000093	11	0.00043	0.00011	0.0016	0.15
19	February	3.3	0.073	0.18	0.0095	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.000095	0.0017	0.15
19	March	3.3	0.084	0.2	0.01	0.028	6.9	0.0029	0.058	0.00047	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.00011	0.0017	0.15
19	April	3.5	0.13	0.28	0.012	0.028	8.1	0.003	0.059	0.00051	0.0084	0.00001	0.0063	0.000014	12	0.00051	0.00013	0.0017	0.15
19	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00073	0.16	0.00032	0.0055	0.00001	0.0059	0.0000079	10	0.00052	0.00017	0.0015	0.23
19	June	2.7	0.068	0.097	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.000007	10	0.00052	0.00017	0.0015	0.23
19	July	2.9	0.07	0.095	0.0023	0.034	5.4	0.0019	0.19	0.00041	0.007	0.00001	0.0058	0.0000087	11	0.00048	0.00015	0.0015	0.22
19	August	2.7	0.092	0.13	0.003	0.02	7.3	0.0019	0.17	0.0004	0.0076	0.00001	0.0062	0.000012	9	0.00029	0.00011	0.0013	0.2
19	September	2.8	0.12	0.15	0.0081	0.042	7.3	0.0023	0.14	0.00041	0.012	0.0000097	0.0066	0.000011	11	0.00037	0.00015	0.0013	0.16
19	October	2.7	0.1	0.16	0.0083	0.057	7.0	0.0022	0.25	0.00042	0.0094	0.000032	0.0068	0.000017	12	0.0011	0.00025	0.0017	0.31
19	November	2.8	0.058	0.075	0.0086	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000086	11	0.00043	0.00011	0.0016	0.15
19	December	2.8	0.054	0.068	0.0085	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.00011	0.0016	0.15
20	January	2.8	0.066	0.088	0.0089	0.023	6.7	0.0029	0.1	0.00043	0.0081	0.000011	0.0084	0.0000092	11	0.00043	0.00011	0.0016	0.15
20	February	3.3	0.075	0.18	0.0096	0.028	6.9	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.000097	0.0017	0.15
20	March	3.3	0.084	0.2	0.01	0.028	6.9	0.0029	0.058	0.00047	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.00011	0.0017	0.15
20	April	3.5	0.13	0.28	0.012	0.028	8.1	0.003	0.059	0.00051	0.0085	0.00001	0.0062	0.000014	12	0.00051	0.00013	0.0017	0.16
20	May	2.8	0.077	0.11	0.0028	0.021	6.6	0.00072	0.16	0.00032	0.0055	0.00001	0.0059	0.0000079	10	0.00052	0.00017	0.0015	0.23
20	June	2.7	0.068	0.097	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.000007	10	0.00052	0.00017	0.0015	0.23
20	July	2.9	0.069	0.093	0.0022	0.034	5.4	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000087	11	0.00048	0.00015	0.0015	0.22
20	August	2.7	0.093	0.13	0.003	0.02	7.4	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000012	9	0.00029	0.00012	0.0013	0.2
20	September	2.8	0.12	0.15	0.0081	0.042	7.3	0.0023	0.14	0.00041	0.012	0.0000097	0.0066	0.000011	11	0.00037	0.00015	0.0013	0.16
20	October	2.7	0.11	0.17	0.0085	0.057	7.0	0.0023	0.25	0.00042	0.0094	0.000032	0.0068	0.000017	12	0.0011	0.00025	0.0017	0.31
20	November	2.8	0.057	0.076	0.0086	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000085	11	0.00043	0.00011	0.0016	0.15
20	December	2.8	0.052	0.065	0.0084	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000087	11	0.00043	0.0001	0.0016	0.15
21	January	2.8	0.066	0.092	0.009	0.023	6.7	0.0029	0.1	0.00043	0.0081	0.000011	0.0084	0.0000094	11	0.00043	0.00012	0.0016	0.15
21	February	3.3	0.074	0.18	0.0095	0.028	7.0	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.000093	0.0017	0.15
21	March	3.3	0.087	0.21	0.01	0.028	7.0	0.0029	0.058	0.00048	0.0085	0.00001	0.0056	0.000011	12	0.0005	0.00011	0.0017	0.15
21	April	3.5	0.13	0.27	0.011	0.028	8.2	0.003	0.059	0.00051	0.0085	0.00001	0.0062	0.000015	12	0.00051	0.00013	0.0017	0.16
21	May	2.8	0.077	0.11	0.0028	0.021	6.7	0.00072	0.16	0.00032	0.0055	0.00001	0.0059	0.0000084	10	0.00053	0.00017	0.0015	0.23
21	June	2.7	0.068	0.097	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.0000075	10	0.00052	0.00017	0.0015	0.23
21	July	2.9	0.069	0.093	0.0022	0.034	5.5	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000093	11	0.00048	0.00015	0.0015	0.22
21	August	2.7	0.093	0.13	0.003	0.02	7.5	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000012	8.9	0.00029	0.00012	0.0013	0.2
21	September	2.8	0.12	0.15	0.0081	0.042	7.4	0.0023	0.14	0.00042	0.012	0.0000097	0.0066	0.000011	11	0.00037	0.00015	0.0013	0.16
21	October	2.7	0.11	0.17	0.0085	0.057	7.1	0.0023	0.25	0.00042	0.0094	0.000032	0.0068	0.000017	12	0.0011	0.00025	0.0017	0.31
21	November	2.8	0.057	0.073	0.0086	0.023	6.5	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000088	11	0.00043	0.00011	0.0016	0.15
21	December	2.8	0.056	0.07	0.0085	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.000009	11	0.00043	0.00011	0.0016	0.15
22	January	2.8	0.07	0.095	0.009	0.023	6.8	0.0029	0.1	0.00043	0.0081	0.000011	0.0085	0.0000098	12	0.00043	0.00012	0.0016	0.15
22	February	3.3	0.063	0.16	0.0091	0.028	6.6	0.0028	0.058	0.00047	0.0085	0.00001	0.0053	0.0000091	12	0.0005	0.000092	0.0017	0.15
22	March	3.3	0.082	0.2	0.0099	0.028	6.9	0.0029	0.058	0.00047	0.0085	0.00001	0.0055	0.00001	12	0.0005	0.00011	0.0017	0.15
22	April	3.5	0.14	0.29	0.012	0.028	8.3	0.0031	0.059	0.00051	0.0084	0.00001	0.0063	0.000015	12	0.00051	0.00014	0.0017	0.16
22	May	2.8	0.076	0.11	0.0027	0.021	6.6	0.00072	0.16	0.00032	0.0055	0.00001	0.0059	0.0000083	10	0.00053	0.00017	0.0015	0.24
22	June	2.7	0.068	0.097	0.0024	0.021	6.4	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.0000075	10	0.00053	0.00017	0.0015	0.23
22	July	2.9	0.068	0.091	0.0022	0.034	5.4	0.0018	0.19	0.00041	0.007	0.00001	0.0058	0.0000092	11	0.00048	0.00015	0.0015	0.22
22	August	2.7	0.094	0.13	0.0031	0.02	7.4	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000012	9	0.0003	0.00012	0.0013	0.2
22	September	2.8	0.12	0.15	0.0081	0.042	7.3	0.0023	0.14	0.00041	0.012	0.0000098	0.0066	0.000011	11	0.00038	0.00015	0.0013	0.17
22	October	2.7	0.11	0.17	0.0085	0.057	7.2	0.0023	0.25	0.00042	0.0094	0.000032	0.0069	0.000018	12	0.0011	0.00025	0.0017	0.31
22	November	2.8	0.054	0.067	0.0084	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000089	11	0.00043	0.00011	0.0016	0.15
22	December	2.8	0.05	0.068	0.0085	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.0082	0.000008	11	0.00043	0.00011	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	2.8	0.057	0.074	0.0086	0.023	6.8	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000096	12	0.00043	0.0001	0.0016	0.16
23	February	3.3	0.087	0.21	0.01	0.028	7.1	0.0029	0.058	0.00048	0.0085	0.00001	0.0055	0.000011	12	0.00051	0.00011	0.0017	0.15
23	March	3.3	0.076	0.18	0.0096	0.028	7.1	0.0028	0.058	0.00048	0.0085	0.00001	0.0055	0.000011	12	0.0005	0.000094	0.0017	0.15
23	April	3.5	0.14	0.29	0.012	0.028	8.5	0.003	0.06	0.00052	0.0084	0.000011	0.0063	0.000016	12	0.00051	0.00013	0.0017	0.16
23	May	2.7	0.074	0.11	0.0026	0.021	6.7	0.00071	0.16	0.00031	0.0055	0.00001	0.0058	0.000008	10	0.00053	0.00017	0.0015	0.24
23	June	2.7	0.068	0.097	0.0024	0.021	6.5	0.00069	0.16	0.00031	0.0055	0.00001	0.0057	0.0000074	10	0.00053	0.00017	0.0015	0.24
23	July	2.9	0.073	0.099	0.0024	0.034	5.6	0.0019	0.19	0.00041	0.007	0.00001	0.0058	0.0000093	11	0.00048	0.00016	0.0015	0.22
23	August	2.7	0.093	0.13	0.003	0.02	7.6	0.0019	0.17	0.00041	0.0076	0.00001	0.0061	0.000012	9	0.0003	0.00012	0.0013	0.21
23	September	2.7	0.12	0.15	0.0081	0.042	7.5	0.0023	0.14	0.00041	0.012	0.0000098	0.0065	0.000011	11	0.00038	0.00015	0.0013	0.17
23	October	2.7	0.11	0.17	0.0085	0.057	7.4	0.0023	0.25	0.00042	0.0094	0.000032	0.0068	0.000018	12	0.0011	0.00025	0.0017	0.32
23	November	2.8	0.057	0.072	0.0085	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000089	11	0.00043	0.00011	0.0016	0.16
23	December	2.8	0.046	0.057	0.0082	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.0081	0.0000077	11	0.00043	0.00011	0.0016	0.15
24	January	2.8	0.064	0.085	0.0088	0.023	6.9	0.0028	0.1	0.00043	0.0081	0.000011	0.0084	0.0000096	12	0.00044	0.00011	0.0016	0.16
24	February	3.3	0.08	0.19	0.0097	0.028	7.2	0.0029	0.058	0.00048	0.0085	0.00001	0.0056	0.000011	12	0.00051	0.00011	0.0017	0.16
24	March	3.3	0.087	0.2	0.01	0.028	7.2	0.0029	0.058	0.00048	0.0085	0.00001	0.0056	0.000011	12	0.00051	0.00011	0.0017	0.16
24	April	3.5	0.14	0.29	0.012	0.028	8.6	0.003	0.06	0.00052	0.0084	0.000011	0.0063	0.000015	12	0.00052	0.00013	0.0017	0.17
24	May	2.8	0.074	0.11	0.0026	0.021	6.7	0.00071	0.16	0.00032	0.0055	0.00001	0.0059	0.000008	10	0.00053	0.00017	0.0015	0.24
24	June	2.7	0.068	0.097	0.0024	0.021	6.6	0.00069	0.16	0.00031	0.0055	0.00001	0.0058	0.0000075	10	0.00053	0.00017	0.0015	0.24
24	July	2.9	0.071	0.096	0.0023	0.034	5.7	0.0019	0.19	0.00041	0.007	0.00001	0.0058	0.0000092	11	0.00049	0.00016	0.0015	0.23
24	August	2.7	0.093	0.13	0.003	0.02	7.7	0.0019	0.17	0.00041	0.0076	0.00001	0.0062	0.000012	9	0.00031	0.00012	0.0013	0.21
24	September	2.8	0.12	0.15	0.0081	0.042	7.6	0.0023	0.14	0.00042	0.012	0.0000099	0.0066	0.000011	11	0.00039	0.00015	0.0013	0.17
24	October	2.7	0.11	0.17	0.0085	0.057	7.4	0.0023	0.25	0.00043	0.0094	0.000032	0.0069	0.000018	12	0.0011	0.00025	0.0017	0.32
24	November	2.8	0.06	0.08	0.0087	0.023	6.6	0.0028	0.1	0.00042	0.0081	0.000011	0.0083	0.0000089	11	0.00044	0.00011	0.0016	0.16
24	December	2.8	0.043	0.049	0.0081	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.0081	0.0000078	11	0.00043	0.0001	0.0016	0.15
25	January	2.8	0.073	0.1	0.0091	0.023	7.1	0.0029	0.11	0.00042	0.0081	0.000011	0.0085	0.000011	11	0.00044	0.00012	0.0016	0.16
25	February	3.3	0.074	0.18	0.0095	0.028	7.2	0.0028	0.06	0.00047	0.0085	0.00001	0.0055	0.000012	12	0.00051	0.000098	0.0017	0.16
25	March	3.3	0.076	0.19	0.0098	0.028	6.9	0.0029	0.06	0.00046	0.0085	0.00001	0.0054	0.000011	12	0.00051	0.00011	0.0017	0.16
25	April	3.5	0.13	0.28	0.012	0.028	8.5	0.003	0.064	0.00049	0.0085	0.000011	0.0062	0.000018	12	0.00052	0.00013	0.0017	0.18
25	May	2.8	0.078	0.11	0.0028	0.021	7.0	0.00073	0.16	0.0003	0.0055	0.000011	0.006	0.000011	10	0.00054	0.00017	0.0015	0.25
25	June	2.7	0.069	0.098	0.0025	0.021	6.7	0.00069	0.16	0.0003	0.0055	0.000011	0.0058	0.0000098	10	0.00054	0.00017	0.0015	0.25
25	July	2.9	0.084	0.12	0.0028	0.034	5.9	0.0019	0.19	0.00039	0.007	0.000011	0.006	0.000012	11	0.00049	0.00017	0.0015	0.23
25	August	2.7	0.11	0.16	0.0036	0.02	7.9	0.002	0.17	0.00038	0.0076	0.000011	0.0063	0.000016	8.9	0.00031	0.00013	0.0014	0.22
25	September	2.7	0.13	0.16	0.0085	0.042	7.9	0.0023	0.14	0.00039	0.012	0.000011	0.0067	0.000015	11	0.00039	0.00016	0.0014	0.19
25	October	2.7	0.11	0.17	0.0084	0.057	7.2	0.0023	0.25	0.00039	0.0094	0.000033	0.0067	0.000019	11	0.0011	0.00025	0.0018	0.33
25	November	2.8	0.061	0.089	0.0093	0.023	6.6	0.0029	0.11	0.00041	0.0081	0.000011	0.0084	0.0000096	11	0.00044	0.00012	0.0016	0.17
25	December	2.8	0.06	0.078	0.0087	0.023	6.8	0.0028	0.11	0.00042	0.0081	0.000011	0.0084	0.00001	11	0.00044	0.00011	0.0016	0.16
26	January	2.8	0.058	0.083	0.0088	0.023	6.6	0.0028	0.11	0.00041	0.0081	0.000012	0.0083	0.00001	11	0.00044	0.00011	0.0016	0.16
26	February	3.3	0.063	0.16	0.0092	0.028	6.8	0.0028	0.059	0.00046	0.0085	0.000011	0.0054	0.000011	12	0.00051	0.000098	0.0017	0.16
26	March	3.3	0.093	0.21	0.01	0.028	7.4	0.0029	0.063	0.00046	0.0085	0.000011	0.0057	0.000014	12	0.00051	0.00011	0.0017	0.16
26	April	3.4	0.14	0.28	0.012	0.028	8.5	0.003	0.068	0.00047	0.0084	0.000013	0.0063	0.00002	12	0.00053	0.00013	0.0017	0.18
26	May	2.7	0.078	0.11	0.0028	0.021	7.1	0.00073	0.17	0.00029	0.0055	0.000012	0.0061	0.000013	10	0.00054	0.00017	0.0015	0.25
26	June	2.7	0.069	0.099	0.0025	0.021	6.8	0.0007	0.17	0.00028	0.0055	0.000012	0.0059	0.000011	10	0.00054	0.00017	0.0015	0.25
26	July	2.9	0.084	0.12	0.0028	0.034	5.9	0.0019	0.2	0.00038	0.007	0.000012	0.0061	0.000014	10	0.00049	0.00017	0.0015	0.23
26	August	2.7	0.11	0.16	0.0036	0.02	8.0	0.002	0.18	0.00036	0.0076	0.000013	0.0065	0.000019	8.8	0.00031	0.00013	0.0014	0.23
26	September	2.7	0.12	0.16	0.0083	0.042	7.7	0.0023	0.14	0.00037	0.012	0.000012	0.0067	0.000016	11	0.00039	0.00015	0.0014	0.19
26	October	2.6	0.1	0.16	0.0083	0.057	7.0	0.0022	0.26	0.00038	0.0094	0.000034	0.0067	0.00002	11	0.0011	0.00025	0.0018	0.33
26	November	2.8	0.067	0.1	0.0094	0.023	6.8	0.0029	0.11	0.00041	0.0081	0.000012	0.0085	0.000011	11	0.00044	0.00012	0.0016	0.17
26	December	2.7	0.056	0.077	0.0094	0.023	6.4	0.0029	0.11	0.00041	0.0081	0.000012	0.0083	0.0000092	11	0.00044	0.00012	0.0016	0.17
27	January	2.7	0.035	0.036	0.0078	0.023	6.0	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
27	February	3.2	0.046	0.13	0.0086	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
27	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
27	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
27	May	2.6	0.014	0.0073	0.00052	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
27	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
27	July	2.7	0.021	0.012	0.00051	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
27	August	2.5	0.022	0.013	0.00051	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
27	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
27	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
27	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
28	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
28	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
28	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
28	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
28	May	2.6	0.014	0.0073	0.00052	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
28	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
28	July	2.7	0.021	0.012	0.00051	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
28	August	2.5	0.022	0.013	0.00051	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
28	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
28	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
28	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
28	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
29	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
29	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
29	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
29	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
29	May	2.6	0.014	0.0073	0.00052	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
29	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
29	July	2.7	0.021	0.012	0.00051	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
29	August	2.5	0.022	0.013	0.00051	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
29	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
29	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
29	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
29	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
30	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
30	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
30	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
30	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
30	May	2.6	0.014	0.0073	0.00052	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
30	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
30	July	2.7	0.021	0.012	0.00051	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
30	August	2.5	0.022	0.013	0.00053	0.021	5.5	0.0017	0.17	0.00035	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000092	0.0013	0.2
30	September	2.5	0.039	0.016	0.0054	0.042	6.2	0.002	0.13	0.00038	0.012	0.0000095	0.0054	0.0000032	11	0.00037	0.00012	0.0013	0.16
30	October	2.5	0.031	0.042	0.0058	0.057	6.2	0.002	0.25	0.00039	0.0094	0.000032	0.0058	0.00001	11	0.0011	0.00022	0.0017	0.31
30	November	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
30	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
31	January	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
31	February	3.2	0.046	0.13	0.0086	0.028	6.2	0.0028	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0016	0.15
31	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
31	April	3.3	0.046	0.13	0.0086	0.028	6.9	0.0028	0.058	0.00047	0.0085	0.00001	0.0051	0.0000075	12	0.00052	0.000094	0.0016	0.15
31	May	2.6	0.015	0.0079	0.00058	0.021	5.7	0.00053	0.16	0.00029	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
31	June	2.6	0.015	0.0077	0.00056	0.021	5.6	0.00052	0.16	0.00028	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
31	July	2.7	0.021	0.012	0.00055	0.034	4.4	0.0017	0.19	0.00037	0.007	0.00001	0.0051	0.0000038	10	0.00048	0.00014	0.0015	0.22
31	August	2.5	0.023	0.013	0.00056	0.02	5.9	0.0017	0.17	0.00036	0.0076	0.00001	0.0051	0.0000049	8.5	0.0003	0.000094	0.0013	0.2
31	September	2.5	0.039	0.016	0.0054	0.042	5.7	0.002	0.13	0.00036	0.012	0.0000093	0.0054	0.0000034	11	0.00038	0.00012	0.0013	0.16
31	October	2.5	0.031	0.042	0.0058	0.057	5.7	0.002	0.25	0.00038	0.0094	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
31	November	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
31	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
32	January	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
32	February	3.2	0.046	0.13	0.0086	0.028	6.2	0.0028	0.058	0.00045	0.0085	0.00001	0.005	0.0000072	12	0.0005	0.00009	0.0016	0.15
32	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
32	April	3.3	0.046	0.13	0.0086	0.028	6.9	0.0028	0.058	0.00047	0.0085	0.00001	0.0051	0.0000075	12	0.00052	0.000094	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	2.6	0.015	0.0079	0.00058	0.021	5.7	0.00053	0.16	0.00029	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
32	June	2.6	0.015	0.0078	0.00056	0.021	5.6	0.00052	0.16	0.00028	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
32	July	2.7	0.021	0.012	0.00055	0.034	4.4	0.0017	0.19	0.00037	0.007	0.00001	0.0051	0.0000038	10	0.00048	0.00014	0.0015	0.22
32	August	2.5	0.023	0.013	0.00056	0.02	5.9	0.0017	0.17	0.00036	0.0076	0.00001	0.0051	0.0000049	8.5	0.0003	0.000094	0.0013	0.2
32	September	2.5	0.039	0.016	0.0054	0.042	5.7	0.002	0.13	0.00036	0.012	0.0000093	0.0054	0.0000034	11	0.00038	0.00012	0.0013	0.16
32	October	2.5	0.031	0.042	0.0058	0.057	5.7	0.002	0.25	0.00038	0.0094	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
32	November	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
32	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
33	January	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
33	February	3.2	0.046	0.13	0.0086	0.028	6.1	0.0028	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
33	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
33	April	3.3	0.046	0.13	0.0086	0.028	6.9	0.0028	0.058	0.00047	0.0085	0.00001	0.0051	0.0000075	12	0.00052	0.000094	0.0016	0.15
33	May	2.6	0.015	0.0079	0.00058	0.021	5.7	0.00053	0.16	0.00029	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
33	June	2.6	0.015	0.0078	0.00056	0.021	5.6	0.00052	0.16	0.00028	0.0055	0.00001	0.0051	0.0000028	9.9	0.00053	0.00014	0.0014	0.23
33	July	2.7	0.021	0.012	0.00055	0.034	4.4	0.0017	0.19	0.00037	0.007	0.00001	0.0051	0.0000038	10	0.00048	0.00014	0.0015	0.22
33	August	2.5	0.023	0.013	0.00056	0.02	5.9	0.0017	0.17	0.00036	0.0076	0.00001	0.0051	0.0000049	8.5	0.0003	0.000094	0.0013	0.2
33	September	2.5	0.039	0.016	0.0054	0.042	5.7	0.002	0.13	0.00036	0.012	0.0000093	0.0054	0.0000034	11	0.00038	0.00012	0.0013	0.16
33	October	2.5	0.031	0.042	0.0058	0.057	5.7	0.002	0.25	0.00038	0.0094	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
33	November	2.7	0.034	0.034	0.0078	0.023	6.3	0.0028	0.1	0.00041	0.0081	0.000011	0.008	0.0000069	11	0.00044	0.0001	0.0016	0.15
33	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.00041	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
34	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
34	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
34	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
34	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
34	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
34	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
34	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
34	August	2.5	0.022	0.013	0.00051	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
34	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
34	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
34	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
34	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
35	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
35	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
35	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
35	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
35	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
35	June	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
35	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
35	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
35	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
35	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
35	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
35	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
36	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
36	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
36	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
36	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
36	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
36	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
36	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
36	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
36	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
36	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
36	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
36	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
37	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
37	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
37	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
37	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
37	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
37	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
37	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
37	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
37	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
37	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
37	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
38	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
38	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
38	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
38	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
38	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
38	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
38	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
38	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
38	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
38	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
38	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
38	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
39	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
39	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
39	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
39	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
39	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
39	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
39	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
39	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
39	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
39	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
39	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
39	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
40	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
40	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
40	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
40	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
40	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
40	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
40	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
40	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
40	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
40	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
40	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
40	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
41	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
41	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
41	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
41	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
41	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
41	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
41	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
41	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
41	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
41	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
41	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
42	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
42	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
42	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
42	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
42	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
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42	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
42	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
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43	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
43	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
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43	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
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44	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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46	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
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46	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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47	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
47	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
47	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
47	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
47	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
47	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
47	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
47	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
47	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
47	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
48	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
48	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
48	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
48	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
48	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
48	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
48	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
48	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
48	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
48	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
48	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
48	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
49	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
49	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
49	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
49	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
49	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
49	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
49	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
49	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
49	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
49	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
49	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
49	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
50	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
50	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
50	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
50	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
50	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
50	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
50	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
50	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
50	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
50	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
50	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
50	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
51	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
51	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
51	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
51	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
51	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
51	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
51	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
51	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
51	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
51	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
51	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
52	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
52	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
52	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
52	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
52	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
52	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
52	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
52	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
52	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
52	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
52	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
52	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
53	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
53	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
53	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
53	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
53	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
53	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
53	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
53	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
53	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
53	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
53	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
53	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
54	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
54	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
54	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
54	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
54	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
54	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
54	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
54	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
54	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
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54	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
55	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
55	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
55	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
55	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
55	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
55	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
55	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
55	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
55	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
55	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
55	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
56	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
56	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
56	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
56	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
56	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
56	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
56	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
56	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
56	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
56	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
56	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
56	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
57	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
57	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
57	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
57	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
57	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
57	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
57	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
57	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
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57	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
58	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
58	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
58	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
58	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
58	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
58	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
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58	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
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59	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
59	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
59	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
59	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
59	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
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59	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
59	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
59	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
59	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
59	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
60	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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60	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
60	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
60	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
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60	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
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60	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
60	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
61	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
61	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
61	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
61	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
61	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
61	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
61	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
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61	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
62	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
62	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
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62	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
62	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
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62	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
63	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
63	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
63	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
63	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
63	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
63	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
63	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
63	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
63	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
63	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
63	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
63	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
64	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
64	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
64	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
64	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
64	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
64	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
64	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
64	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2
64	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
64	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
64	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
64	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
65	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
65	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
65	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
65	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
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65	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
65	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
66	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
66	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
66	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
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66	May	2.6	0.014	0.0073	0.00051	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
66	June	2.6	0.014	0.0073	0.0005	0.021	5.1	0.0005	0.16	0.00027	0.0055	0.00001	0.005	0.0000025	9.8	0.00052	0.00014	0.0014	0.23
66	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
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66	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
66	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
66	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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67	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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67	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
68	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
68	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
68	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
68	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
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68	October	2.5	0.03	0.042	0.0058	0.057	5.1	0.002	0.25	0.00036	0.0095	0.000032	0.0057	0.00001	11	0.0011	0.00022	0.0017	0.31
68	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
68	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
69	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
69	February	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
69	March	3.2	0.046	0.13	0.0085	0.028	6.1	0.0027	0.058	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.00009	0.0016	0.15
69	April	3.3	0.046	0.13	0.0085	0.028	6.1	0.0027	0.059	0.00045	0.0085	0.00001	0.005	0.0000071	12	0.0005	0.000091	0.0016	0.15
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69	July	2.7	0.021	0.012	0.0005	0.034	4.0	0.0017	0.19	0.00036	0.007	0.00001	0.005	0.0000036	10	0.00047	0.00014	0.0015	0.22
69	August	2.5	0.022	0.013	0.0005	0.021	5.3	0.0017	0.17	0.00034	0.0077	0.00001	0.005	0.0000046	8.4	0.00029	0.000091	0.0013	0.2

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	2.5	0.039	0.015	0.0053	0.042	5.2	0.002	0.14	0.00035	0.012	0.0000094	0.0053	0.0000031	11	0.00037	0.00011	0.0013	0.16
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70	January	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
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70	November	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15
70	December	2.7	0.034	0.034	0.0077	0.023	6.0	0.0027	0.1	0.0004	0.0081	0.000011	0.008	0.0000068	11	0.00043	0.0001	0.0016	0.15

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000088	2.7	0.0076	0.00000079	0.0002	0.0013	1.1	0.00012	0.000015	0.0000048	0.000048	0.00013	0.00054	0.0015	0.00068	0.00028
-6	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-6	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-6	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
-6	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-6	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-6	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
-6	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
-6	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
-6	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
-6	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-6	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-5	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-5	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-5	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-5	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
-5	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-5	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-5	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
-5	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
-5	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
-5	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
-5	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-5	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-4	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-4	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-4	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
-4	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
-4	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-4	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
-4	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
-4	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
-4	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
-4	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
-4	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-4	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
-3	January	0.000092	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00033
-3	February	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000052	0.00012	0.00041	0.002	0.00078	0.00044
-3	March	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000052	0.00012	0.00041	0.002	0.00078	0.00044
-3	April	0.000046	2.9	0.0087	0.00000067	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000053	0.00012	0.00041	0.002	0.00078	0.00045
-3	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.0001	0.0000051	0.000005	0.000052	0.000093	0.00062	0.0015	0.00023	0.00015
-3	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.0001	0.000005	0.000005	0.000051	0.000093	0.00062	0.0015	0.00023	0.00015
-3	July	0.000098	2.7	0.012	0.00000079	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.000051	0.0001	0.00078	0.0015	0.00044	0.0002
-3	August	0.000096	2.2	0.012	0.00000079	0.00018	0.00094	0.84	0.000091	0.0000051	0.000005	0.000052	0.00012	0.0006	0.0015	0.00044	0.00022
-3	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000048	0.00011	0.00073	0.0013	0.0004	0.00037
-3	October	0.00015	2.9	0.012	0.00000083	0.00034	0.0017	1.1	0.000093	0.000027	0.000007	0.000049	0.00013	0.00098	0.002	0.00052	0.00031
-3	November	0.000092	2.8	0.0078	0.00000083	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00032
-3	December	0.000092	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00032
-2	January	0.000092	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00033
-2	February	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000052	0.00012	0.00041	0.002	0.00078	0.00044
-2	March	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000052	0.00012	0.00041	0.002	0.00078	0.00044
-2	April	0.000046	2.9	0.0087	0.00000069	0.00026	0.0016	1.1	0.0001	0.000019	0.0000038	0.000055	0.00012	0.00041	0.002	0.00078	0.00049
-2	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.0001	0.0000051	0.000005	0.000053	0.000093	0.00062	0.0015	0.00023	0.00019
-2	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.0001	0.0000051	0.000005	0.000053	0.000093	0.00062	0.0015	0.00023	0.00018
-2	July	0.000098	2.7	0.012	0.0000008	0.00022	0.0012	0.99	0.00012	0.0000051	0.000005	0.000053	0.0001	0.00078	0.0015	0.00044	0.00023
-2	August	0.000096	2.2	0.012	0.0000008	0.00018	0.00094	0.85	0.000092	0.0000051	0.000005	0.000053	0.00012	0.0006	0.0015	0.00044	0.00026

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00021	2.5	0.012	0.00000083	0.00023	0.0012	0.99	0.00011	0.000012	0.0000042	0.00005	0.00011	0.00073	0.0013	0.0004	0.0004
-2	October	0.00015	2.9	0.012	0.00000083	0.00034	0.0017	1.1	0.000094	0.000027	0.000007	0.00005	0.00013	0.00098	0.002	0.00052	0.00032
-2	November	0.000092	2.8	0.0078	0.00000083	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00032
-2	December	0.000092	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00033
-1	January	0.000092	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00031
-1	February	0.000046	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000098	0.000019	0.0000038	0.000051	0.00012	0.00041	0.002	0.00078	0.00041
-1	March	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000098	0.000019	0.0000038	0.000051	0.00012	0.00041	0.002	0.00078	0.00041
-1	April	0.000046	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00041
-1	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00013
-1	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00013
-1	July	0.000099	2.7	0.012	0.00000083	0.00024	0.0013	1	0.00013	0.0000053	0.000005	0.000059	0.0001	0.00078	0.0015	0.00044	0.00035
-1	August	0.000096	2.2	0.012	0.00000083	0.00019	0.00094	0.86	0.000097	0.0000053	0.000005	0.000059	0.00012	0.0006	0.0015	0.00044	0.00036
-1	September	0.00021	2.5	0.012	0.00000085	0.00023	0.0012	1	0.00011	0.000012	0.0000042	0.000053	0.00011	0.00074	0.0013	0.0004	0.00045
-1	October	0.00015	2.9	0.012	0.00000085	0.00034	0.0017	1.1	0.000096	0.000027	0.000007	0.000053	0.00013	0.00098	0.002	0.00052	0.00038
-1	November	0.000092	2.8	0.0078	0.00000083	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00032
-1	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.00031
1	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.0003
1	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
1	March	0.000046	2.9	0.0086	0.00000067	0.00026	0.0016	1.1	0.0001	0.000019	0.0000038	0.000054	0.00012	0.00041	0.002	0.00078	0.00048
1	April	0.000048	2.9	0.0086	0.0000008	0.00036	0.0016	1.2	0.00012	0.000019	0.000011	0.00008	0.00013	0.00041	0.002	0.00078	0.001
1	May	0.00012	2.6	0.01	0.0000014	0.00025	0.0014	1	0.00012	0.0000058	0.0000098	0.000073	0.0001	0.00063	0.0015	0.00023	0.0006
1	June	0.00012	2.6	0.01	0.0000014	0.00023	0.0014	1	0.00012	0.0000056	0.0000077	0.000069	0.000098	0.00062	0.0015	0.00023	0.00049
1	July	0.000099	2.7	0.012	0.00000087	0.00026	0.0013	1	0.00013	0.0000057	0.0000053	0.00007	0.00011	0.00078	0.0015	0.00044	0.00054
1	August	0.000097	2.2	0.012	0.00000091	0.00023	0.00094	0.89	0.00011	0.0000059	0.0000051	0.000077	0.00012	0.00061	0.0015	0.00044	0.00069
1	September	0.00021	2.6	0.012	0.00000095	0.00028	0.0012	1	0.00013	0.000013	0.0000043	0.000075	0.00011	0.00074	0.0014	0.0004	0.00084
1	October	0.00015	2.9	0.012	0.00000093	0.00038	0.0017	1.1	0.00011	0.000027	0.0000071	0.00007	0.00014	0.00098	0.002	0.00051	0.00068
1	November	0.000092	2.8	0.0078	0.00000084	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000054	0.00013	0.00056	0.0015	0.0007	0.00037
1	December	0.000092	2.8	0.0078	0.00000084	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000054	0.00013	0.00056	0.0015	0.0007	0.00037
2	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00013	0.00056	0.0015	0.0007	0.0003
2	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
2	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.000051	0.00012	0.00041	0.002	0.00078	0.0004
2	April	0.000049	2.9	0.0087	0.00000084	0.00036	0.0016	1.2	0.00013	0.00002	0.0000096	0.00011	0.00013	0.00042	0.002	0.00078	0.00096
2	May	0.00012	2.6	0.01	0.0000015	0.0003	0.0014	1	0.00013	0.000006	0.000014	0.000095	0.0001	0.00063	0.0015	0.00023	0.00061
2	June	0.00012	2.6	0.01	0.0000014	0.00026	0.0014	1	0.00012	0.0000059	0.0000098	0.000087	0.0001	0.00063	0.0015	0.00023	0.0005
2	July	0.0001	2.7	0.012	0.00000091	0.00028	0.0013	1	0.00014	0.0000059	0.0000063	0.000089	0.00011	0.00078	0.0015	0.00044	0.00054
2	August	0.000098	2.2	0.012	0.00000094	0.00024	0.00095	0.91	0.00012	0.0000062	0.0000052	0.0001	0.00013	0.00061	0.0015	0.00044	0.00065
2	September	0.00021	2.6	0.012	0.00000099	0.0003	0.0012	1.1	0.00014	0.000013	0.0000044	0.0001	0.00012	0.00074	0.0014	0.0004	0.00085
2	October	0.00015	2.9	0.012	0.00000099	0.0004	0.0017	1.1	0.00012	0.000028	0.0000072	0.0001	0.00014	0.00098	0.002	0.00051	0.00076
2	November	0.000092	2.8	0.0078	0.00000085	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000061	0.00013	0.00056	0.0015	0.0007	0.00039
2	December	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000067	0.00013	0.00056	0.0015	0.0007	0.00045
3	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00032
3	February	0.000045	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000098	0.000019	0.0000038	0.000052	0.00012	0.00041	0.002	0.00078	0.00041
3	March	0.000046	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000053	0.00012	0.00041	0.002	0.00078	0.00043
3	April	0.00005	2.9	0.0087	0.00000087	0.00037	0.0016	1.2	0.00014	0.00002	0.00001	0.00011	0.00013	0.00042	0.002	0.00078	0.00099
3	May	0.00012	2.6	0.01	0.0000015	0.0003	0.0014	1	0.00013	0.0000062	0.000014	0.0001	0.00011	0.00063	0.0015	0.00023	0.00063
3	June	0.00012	2.6	0.01	0.0000015	0.00026	0.0014	1	0.00013	0.000006	0.00001	0.000091	0.0001	0.00063	0.0015	0.00023	0.00051
3	July	0.0001	2.7	0.012	0.00000092	0.00027	0.0013	1	0.00014	0.000006	0.0000059	0.000094	0.00011	0.00078	0.0015	0.00044	0.00055
3	August	0.000099	2.2	0.012	0.00000097	0.00024	0.00095	0.91	0.00012	0.0000064	0.0000052	0.00011	0.00013	0.00061	0.0015	0.00044	0.00067
3	September	0.00021	2.6	0.012	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00074	0.0014	0.0004	0.00085
3	October	0.00015	2.9	0.012	0.000001	0.00041	0.0017	1.1	0.00013	0.000028	0.0000072	0.00011	0.00014	0.00098	0.002	0.00051	0.00081
3	November	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000066	0.00013	0.00056	0.0015	0.0007	0.00043
3	December	0.000092	2.8	0.0078	0.00000085	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000061	0.00013	0.00056	0.0015	0.0007	0.00039
4	January	0.000092	2.8	0.0078	0.00000083	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000053	0.00013	0.00056	0.0015	0.0007	0.00032
4	February	0.000047	2.9	0.0086	0.00000071	0.00027	0.0016	1.2	0.00011	0.000019	0.0000038	0.000067	0.00012	0.00041	0.002	0.00078	0.00053
4	March	0.000046	2.9	0.0086	0.00000067	0.00025	0.0016	1.1	0.000099	0.000019	0.0000038	0.000054	0.00012	0.00041	0.002	0.00078	0.00043
4	April	0.000051	2.9	0.0087	0.00000093	0.00036	0.0016	1.2	0.00014	0.00002	0.0000087	0.00012	0.00013	0.00042	0.002	0.00078	0.001

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00012	2.6	0.01	0.0000015	0.00029	0.0014	1.1	0.00013	0.0000065	0.000013	0.00011	0.00011	0.00063	0.0015	0.00023	0.00064
4	June	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.0000063	0.000012	0.000097	0.0001	0.00063	0.0015	0.00023	0.00057
4	July	0.0001	2.7	0.012	0.00000096	0.00028	0.0013	1	0.00014	0.0000063	0.0000059	0.000098	0.00011	0.00078	0.0015	0.00044	0.00055
4	August	0.0001	2.2	0.012	0.000001	0.00025	0.00095	0.93	0.00012	0.0000069	0.0000053	0.00012	0.00013	0.00061	0.0015	0.00044	0.0007
4	September	0.00022	2.6	0.012	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00086
4	October	0.00015	2.9	0.012	0.0000011	0.00041	0.0017	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00099	0.002	0.00051	0.00081
4	November	0.000093	2.8	0.0079	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000079	0.00014	0.00057	0.0015	0.0007	0.00051
4	December	0.000092	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000066	0.00013	0.00056	0.0015	0.0007	0.00042
5	January	0.000093	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000065	0.00013	0.00056	0.0015	0.0007	0.00041
5	February	0.000047	2.9	0.0086	0.00000074	0.00027	0.0016	1.2	0.00011	0.000019	0.0000038	0.00007	0.00012	0.00041	0.002	0.00078	0.00056
5	March	0.000046	2.9	0.0086	0.00000067	0.00025	0.0016	1.1	0.0001	0.000019	0.0000038	0.000055	0.00012	0.00041	0.002	0.00078	0.00044
5	April	0.000052	2.9	0.0087	0.00000097	0.00036	0.0016	1.2	0.00014	0.000021	0.0000086	0.00012	0.00014	0.00042	0.002	0.00078	0.001
5	May	0.00012	2.6	0.01	0.0000015	0.00029	0.0014	1.1	0.00013	0.0000067	0.000013	0.0001	0.00011	0.00063	0.0015	0.00023	0.00064
5	June	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.0000064	0.000012	0.000096	0.0001	0.00063	0.0015	0.00023	0.00057
5	July	0.0001	2.7	0.012	0.00000098	0.00028	0.0013	1	0.00014	0.0000065	0.0000063	0.000098	0.00011	0.00079	0.0015	0.00044	0.00056
5	August	0.0001	2.2	0.012	0.0000011	0.00025	0.00095	0.93	0.00012	0.0000071	0.0000053	0.00012	0.00013	0.00062	0.0015	0.00044	0.00071
5	September	0.00022	2.6	0.012	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000044	0.00011	0.00012	0.00075	0.0014	0.0004	0.00086
5	October	0.00015	2.9	0.012	0.0000011	0.00041	0.0017	1.2	0.00013	0.000029	0.0000073	0.00012	0.00015	0.00099	0.002	0.00051	0.00082
5	November	0.000094	2.8	0.0079	0.00000095	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000082	0.00014	0.00057	0.0015	0.0007	0.00054
5	December	0.000093	2.8	0.0078	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000074	0.00014	0.00057	0.0015	0.0007	0.00048
6	January	0.000093	2.8	0.0078	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000066	0.00013	0.00056	0.0015	0.0007	0.00043
6	February	0.000048	2.9	0.0086	0.00000077	0.00028	0.0016	1.2	0.00011	0.000019	0.0000039	0.000075	0.00012	0.00041	0.002	0.00078	0.00061
6	March	0.000047	2.9	0.0086	0.00000073	0.00027	0.0016	1.2	0.00011	0.000019	0.0000038	0.000066	0.00012	0.00041	0.002	0.00078	0.00054
6	April	0.000053	2.9	0.0087	0.000001	0.00037	0.0016	1.2	0.00014	0.000021	0.0000088	0.00012	0.00014	0.00042	0.0021	0.00078	0.0011
6	May	0.00012	2.6	0.01	0.0000016	0.00029	0.0014	1.1	0.00013	0.0000069	0.000012	0.0001	0.00011	0.00063	0.0015	0.00023	0.00065
6	June	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.0000065	0.000012	0.000092	0.0001	0.00063	0.0015	0.00023	0.00057
6	July	0.0001	2.7	0.012	0.000001	0.00028	0.0013	1	0.00014	0.0000067	0.0000064	0.000095	0.00011	0.00079	0.0015	0.00044	0.00057
6	August	0.0001	2.2	0.012	0.0000011	0.00025	0.00095	0.93	0.00013	0.0000073	0.0000053	0.00011	0.00013	0.00062	0.0016	0.00044	0.00071
6	September	0.00022	2.6	0.012	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.0004	0.00087
6	October	0.00015	2.9	0.012	0.0000011	0.00041	0.0017	1.2	0.00013	0.000029	0.0000073	0.00011	0.00015	0.00099	0.0021	0.00051	0.00083
6	November	0.000095	2.8	0.0079	0.000001	0.00026	0.0014	1.2	0.00015	0.000016	0.0000052	0.00009	0.00014	0.00057	0.0015	0.0007	0.00063
6	December	0.000094	2.8	0.0078	0.00000093	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000073	0.00014	0.00057	0.0015	0.0007	0.00049
7	January	0.000093	2.8	0.0078	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000069	0.00013	0.00056	0.0015	0.0007	0.00045
7	February	0.000049	2.9	0.0086	0.00000083	0.00029	0.0016	1.2	0.00012	0.00002	0.0000039	0.000087	0.00013	0.00041	0.002	0.00078	0.0007
7	March	0.000048	2.9	0.0086	0.00000076	0.00027	0.0016	1.2	0.00011	0.000019	0.0000039	0.000072	0.00012	0.00041	0.002	0.00078	0.00058
7	April	0.000053	2.9	0.0087	0.000001	0.00037	0.0016	1.2	0.00014	0.000021	0.0000093	0.00013	0.00014	0.00042	0.0021	0.00078	0.0011
7	May	0.00012	2.6	0.01	0.0000016	0.00028	0.0014	1.1	0.00013	0.0000069	0.000012	0.0001	0.00011	0.00063	0.0015	0.00023	0.00065
7	June	0.00012	2.6	0.01	0.0000015	0.00027	0.0014	1	0.00013	0.0000065	0.000012	0.000095	0.0001	0.00063	0.0015	0.00023	0.00058
7	July	0.0001	2.7	0.012	0.000001	0.00028	0.0013	1	0.00014	0.0000067	0.000006	0.000097	0.00011	0.00079	0.0015	0.00044	0.00057
7	August	0.0001	2.2	0.012	0.0000011	0.00025	0.00095	0.93	0.00013	0.0000074	0.0000053	0.00012	0.00013	0.00062	0.0016	0.00044	0.00072
7	September	0.00022	2.6	0.012	0.0000011	0.00029	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.0004	0.00087
7	October	0.00015	2.9	0.012	0.0000012	0.00041	0.0017	1.2	0.00013	0.000029	0.0000073	0.00012	0.00015	0.00099	0.0021	0.00051	0.00084
7	November	0.000095	2.8	0.0079	0.000001	0.00025	0.0014	1.2	0.00015	0.000016	0.0000052	0.000091	0.00014	0.00057	0.0015	0.0007	0.00062
7	December	0.000094	2.8	0.0078	0.00000094	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000076	0.00014	0.00057	0.0015	0.0007	0.0005
8	January	0.000093	2.8	0.0078	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.00007	0.00013	0.00056	0.0015	0.0007	0.00045
8	February	0.000047	2.9	0.0086	0.00000075	0.00027	0.0016	1.2	0.00011	0.000019	0.0000038	0.000075	0.00012	0.00041	0.002	0.00078	0.00059
8	March	0.000049	2.9	0.0086	0.00000081	0.00029	0.0016	1.2	0.00012	0.00002	0.0000039	0.000089	0.00013	0.00041	0.002	0.00078	0.00071
8	April	0.000052	2.9	0.0087	0.00000098	0.0004	0.0016	1.2	0.00015	0.000021	0.000013	0.00013	0.00014	0.00042	0.0021	0.00078	0.0012
8	May	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00014	0.0000066	0.000012	0.0001	0.00011	0.00063	0.0015	0.00023	0.00065
8	June	0.00012	2.6	0.01	0.0000015	0.00027	0.0014	1	0.00013	0.0000064	0.000012	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
8	July	0.0001	2.7	0.012	0.00000098	0.00028	0.0013	1	0.00014	0.0000065	0.0000061	0.000099	0.00011	0.00079	0.0015	0.00044	0.00058
8	August	0.0001	2.2	0.012	0.0000011	0.00025	0.00095	0.92	0.00013	0.0000071	0.0000053	0.00012	0.00013	0.00062	0.0015	0.00044	0.00072
8	September	0.00022	2.6	0.012	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000044	0.00012	0.00012	0.00075	0.0014	0.0004	0.00088
8	October	0.00015	2.9	0.012	0.0000011	0.00041	0.0017	1.2	0.00013	0.000029	0.0000073	0.00012	0.00015	0.00099	0.002	0.00051	0.00084
8	November	0.000094	2.8	0.0079	0.00000096	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000083	0.00014	0.00057	0.0015	0.0007	0.00056
8	December	0.000093	2.8	0.0078	0.00000091	0.00023	0.0014	1.1	0.00014	0.000016	0.0000051	0.000073	0.00013	0.00057	0.0015	0.0007	0.00048

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.000093	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00014	0.000015	0.0000051	0.000072	0.00013	0.00056	0.0015	0.0007	0.00046
9	February	0.000047	2.9	0.0086	0.00000074	0.00028	0.0016	1.2	0.00011	0.000019	0.0000038	0.000079	0.00012	0.00041	0.002	0.00078	0.00062
9	March	0.000048	2.9	0.0086	0.00000077	0.00029	0.0016	1.2	0.00012	0.000019	0.0000039	0.00009	0.00012	0.00041	0.002	0.00078	0.0007
9	April	0.000051	2.9	0.0087	0.00000093	0.00041	0.0016	1.2	0.00015	0.00002	0.000016	0.00014	0.00014	0.00042	0.002	0.00078	0.0012
9	May	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.0000063	0.000012	0.00011	0.0001	0.00063	0.0015	0.00023	0.00066
9	June	0.00012	2.6	0.01	0.0000015	0.00026	0.0014	1	0.00013	0.0000061	0.000012	0.000097	0.0001	0.00063	0.0015	0.00023	0.00058
9	July	0.0001	2.7	0.012	0.00000094	0.00028	0.0013	1	0.00015	0.0000062	0.0000063	0.0001	0.00011	0.00078	0.0015	0.00044	0.00058
9	August	0.000099	2.2	0.012	0.000001	0.00024	0.00095	0.92	0.00013	0.0000066	0.0000053	0.00012	0.00013	0.00061	0.0015	0.00044	0.00072
9	September	0.00021	2.6	0.012	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00088
9	October	0.00015	2.9	0.012	0.0000011	0.0004	0.0017	1.1	0.00013	0.000028	0.0000072	0.00012	0.00014	0.00099	0.002	0.00051	0.00084
9	November	0.000093	2.8	0.0079	0.0000009	0.00023	0.0014	1.1	0.00014	0.000016	0.0000051	0.000077	0.00013	0.00057	0.0015	0.0007	0.0005
9	December	0.000092	2.8	0.0078	0.00000087	0.00022	0.0014	1.1	0.00013	0.000015	0.0000051	0.000067	0.00013	0.00056	0.0015	0.0007	0.00043
10	January	0.000092	2.8	0.0078	0.00000088	0.00027	0.0014	1.1	0.00014	0.000015	0.00001	0.000076	0.00014	0.00056	0.0015	0.0007	0.00055
10	February	0.000047	2.9	0.0086	0.00000071	0.00028	0.0016	1.2	0.00011	0.000019	0.0000042	0.000076	0.00012	0.00041	0.002	0.00078	0.0006
10	March	0.000047	2.9	0.0086	0.00000075	0.00029	0.0016	1.2	0.00012	0.000019	0.0000039	0.000091	0.00012	0.00041	0.002	0.00078	0.00071
10	April	0.00005	2.9	0.0086	0.00000087	0.00041	0.0016	1.2	0.00014	0.00002	0.000016	0.00013	0.00014	0.00042	0.002	0.00078	0.0012
10	May	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.000006	0.000012	0.0001	0.0001	0.00063	0.0015	0.00023	0.00064
10	June	0.00012	2.6	0.01	0.0000014	0.00027	0.0014	1	0.00012	0.0000059	0.000012	0.000097	0.0001	0.00063	0.0015	0.00023	0.00058
10	July	0.0001	2.7	0.012	0.0000009	0.00028	0.0013	1	0.00014	0.0000059	0.0000061	0.0001	0.00011	0.00078	0.0015	0.00044	0.00058
10	August	0.000098	2.2	0.012	0.00000095	0.00025	0.00095	0.92	0.00012	0.0000063	0.0000052	0.00012	0.00013	0.00061	0.0015	0.00044	0.00072
10	September	0.00021	2.6	0.012	0.00000098	0.0003	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00088
10	October	0.00015	2.9	0.012	0.000001	0.00041	0.0017	1.1	0.00013	0.000028	0.0000072	0.00012	0.00014	0.00098	0.002	0.00051	0.00084
10	November	0.000092	2.8	0.0078	0.00000089	0.00024	0.0014	1.1	0.00014	0.000015	0.0000051	0.000077	0.00013	0.00056	0.0015	0.0007	0.0005
10	December	0.000092	2.8	0.0078	0.00000086	0.00024	0.0014	1.1	0.00013	0.000015	0.0000065	0.000068	0.00013	0.00056	0.0015	0.0007	0.00046
11	January	0.000092	2.8	0.0078	0.00000087	0.00026	0.0014	1.1	0.00014	0.000015	0.0000087	0.000074	0.00014	0.00056	0.0015	0.0007	0.00053
11	February	0.000046	2.9	0.0086	0.00000071	0.00028	0.0016	1.2	0.00011	0.000019	0.0000041	0.000077	0.00012	0.00041	0.002	0.00078	0.0006
11	March	0.000047	2.9	0.0086	0.00000075	0.00029	0.0016	1.2	0.00012	0.000019	0.0000039	0.000092	0.00012	0.00041	0.002	0.00078	0.00072
11	April	0.000049	2.9	0.0086	0.00000087	0.00042	0.0016	1.2	0.00014	0.00002	0.000017	0.00014	0.00014	0.00042	0.002	0.00078	0.0012
11	May	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00012	0.000006	0.000012	0.0001	0.0001	0.00063	0.0015	0.00023	0.00064
11	June	0.00012	2.6	0.01	0.0000014	0.00027	0.0014	1	0.00012	0.0000058	0.000012	0.000098	0.0001	0.00063	0.0015	0.00023	0.00058
11	July	0.0001	2.7	0.012	0.0000009	0.00028	0.0013	1	0.00014	0.0000059	0.0000058	0.0001	0.00011	0.00078	0.0015	0.00044	0.00057
11	August	0.000098	2.2	0.012	0.00000094	0.00025	0.00095	0.92	0.00012	0.0000062	0.0000052	0.00012	0.00013	0.00061	0.0015	0.00044	0.00072
11	September	0.00021	2.6	0.012	0.00000098	0.0003	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00088
11	October	0.00015	2.9	0.012	0.00000099	0.00041	0.0017	1.1	0.00012	0.000028	0.0000072	0.00012	0.00014	0.00098	0.002	0.00051	0.00084
11	November	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00014	0.000015	0.0000051	0.000078	0.00013	0.00056	0.0015	0.0007	0.00051
11	December	0.000092	2.8	0.0078	0.00000087	0.00026	0.0014	1.1	0.00013	0.000015	0.0000092	0.000071	0.00014	0.00056	0.0015	0.0007	0.0005
12	January	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000053	0.000072	0.00013	0.00056	0.0015	0.0007	0.00046
12	February	0.000047	2.9	0.0086	0.00000072	0.00028	0.0016	1.2	0.00011	0.000019	0.0000038	0.000078	0.00012	0.00041	0.002	0.00078	0.00061
12	March	0.000048	2.9	0.0086	0.00000077	0.00034	0.0016	1.2	0.00012	0.000019	0.00001	0.000096	0.00013	0.00041	0.002	0.00078	0.00084
12	April	0.000049	2.9	0.0086	0.00000085	0.0004	0.0016	1.2	0.00013	0.00002	0.000015	0.00013	0.00014	0.00042	0.002	0.00078	0.0011
12	May	0.00012	2.6	0.01	0.0000015	0.00028	0.0014	1	0.00013	0.000006	0.000012	0.00011	0.0001	0.00063	0.0015	0.00023	0.00065
12	June	0.00012	2.6	0.01	0.0000014	0.00027	0.0014	1	0.00012	0.0000058	0.000012	0.000098	0.0001	0.00063	0.0015	0.00023	0.00058
12	July	0.0001	2.7	0.012	0.0000009	0.00028	0.0013	1	0.00014	0.0000059	0.0000061	0.0001	0.00011	0.00078	0.0015	0.00044	0.00058
12	August	0.000098	2.2	0.012	0.00000095	0.00025	0.00095	0.92	0.00012	0.0000062	0.0000052	0.00012	0.00013	0.00061	0.0015	0.00044	0.00072
12	September	0.00021	2.6	0.012	0.00000098	0.0003	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00088
12	October	0.00015	2.9	0.012	0.00000099	0.00041	0.0017	1.1	0.00012	0.000028	0.0000072	0.00012	0.00014	0.00098	0.002	0.00051	0.00082
12	November	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000071	0.00013	0.00056	0.0015	0.0007	0.00045
12	December	0.000092	2.8	0.0078	0.00000088	0.00026	0.0014	1.1	0.00014	0.000015	0.0000091	0.000075	0.00014	0.00056	0.0015	0.0007	0.00054
13	January	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000059	0.000072	0.00013	0.00056	0.0015	0.0007	0.00047
13	February	0.000047	2.9	0.0086	0.00000072	0.00027	0.0016	1.2	0.00011	0.000019	0.0000039	0.000078	0.00012	0.00041	0.002	0.00078	0.00061
13	March	0.000047	2.9	0.0086	0.00000074	0.00029	0.0016	1.2	0.00011	0.000019	0.000006	0.000086	0.00012	0.00041	0.002	0.00078	0.00069
13	April	0.00005	2.9	0.0086	0.00000089	0.00041	0.0016	1.2	0.00014	0.00002	0.000017	0.00014	0.00014	0.00042	0.002	0.00078	0.0012
13	May	0.00012	2.6	0.01	0.0000015	0.00027	0.0014	1	0.00013	0.000006	0.000012	0.00011	0.0001	0.00063	0.0015	0.00023	0.00064
13	June	0.00012	2.6	0.01	0.0000014	0.00026	0.0014	1	0.00012	0.0000059	0.000012	0.000099	0.0001	0.00063	0.0015	0.00023	0.00058
13	July	0.0001	2.7	0.012	0.00000091	0.00027	0.0013	1	0.00014	0.0000059	0.0000063	0.0001	0.00011	0.00078	0.0015	0.00044	0.00058
13	August	0.000098	2.2	0.012	0.00000096	0.00024	0.00095	0.91	0.00012	0.0000063	0.0000052	0.00012	0.00013	0.00061	0.0015	0.00044	0.00072

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00021	2.6	0.012	0.00000099	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00074	0.0014	0.0004	0.00088
13	October	0.00015	2.9	0.012	0.000001	0.0004	0.0017	1.1	0.00013	0.000028	0.0000072	0.00013	0.00014	0.00099	0.002	0.00051	0.00084
13	November	0.000092	2.8	0.0078	0.00000086	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000067	0.00013	0.00056	0.0015	0.0007	0.00042
13	December	0.000092	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000051	0.000075	0.00013	0.00056	0.0015	0.0007	0.00048
14	January	0.000093	2.8	0.0078	0.00000089	0.00026	0.0014	1.1	0.00014	0.000016	0.0000092	0.000079	0.00014	0.00056	0.0015	0.0007	0.00059
14	February	0.000047	2.9	0.0086	0.00000072	0.00027	0.0016	1.2	0.00011	0.000019	0.0000041	0.000078	0.00012	0.00041	0.002	0.00078	0.00061
14	March	0.000047	2.9	0.0086	0.00000072	0.00027	0.0016	1.2	0.00011	0.000019	0.0000038	0.000076	0.00012	0.00041	0.002	0.00078	0.0006
14	April	0.000049	2.9	0.0086	0.00000086	0.00037	0.0016	1.2	0.00013	0.00002	0.000014	0.00013	0.00013	0.00042	0.002	0.00078	0.0012
14	May	0.00012	2.6	0.01	0.0000015	0.00026	0.0014	1	0.00013	0.0000061	0.000011	0.00011	0.0001	0.00063	0.0015	0.00023	0.00066
14	June	0.00012	2.6	0.01	0.0000014	0.00025	0.0014	1	0.00012	0.0000059	0.00001	0.000097	0.0001	0.00063	0.0015	0.00023	0.00058
14	July	0.0001	2.7	0.012	0.00000091	0.00027	0.0013	1	0.00014	0.000006	0.0000067	0.0001	0.00011	0.00078	0.0015	0.00044	0.0006
14	August	0.000098	2.2	0.012	0.00000096	0.00025	0.00094	0.9	0.00012	0.0000063	0.000008	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
14	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000092	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
14	October	0.00015	2.9	0.012	0.00000098	0.00042	0.0017	1.1	0.00012	0.000028	0.000013	0.00011	0.00014	0.00098	0.002	0.00052	0.00085
14	November	0.000092	2.8	0.0078	0.00000087	0.00022	0.0014	1.1	0.00013	0.000015	0.0000053	0.000069	0.00013	0.00056	0.0015	0.0007	0.00044
14	December	0.000092	2.8	0.0078	0.00000087	0.00025	0.0014	1.1	0.00013	0.000015	0.0000085	0.000071	0.00014	0.00056	0.0015	0.0007	0.0005
15	January	0.000092	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000053	0.000074	0.00013	0.00056	0.0015	0.0007	0.00049
15	February	0.000047	2.9	0.0086	0.00000072	0.0003	0.0016	1.2	0.00011	0.000019	0.0000087	0.000075	0.00013	0.00041	0.002	0.00078	0.00066
15	March	0.000047	2.9	0.0086	0.00000072	0.00027	0.0016	1.2	0.00011	0.000019	0.0000041	0.000077	0.00012	0.00041	0.002	0.00078	0.00062
15	April	0.000049	2.9	0.0086	0.00000087	0.00037	0.0016	1.2	0.00014	0.00002	0.000013	0.00013	0.00014	0.00042	0.002	0.00078	0.0012
15	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000061	0.00001	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
15	June	0.00012	2.6	0.01	0.0000014	0.00024	0.0014	1	0.00012	0.0000059	0.00001	0.000094	0.0001	0.00063	0.0015	0.00023	0.00058
15	July	0.0001	2.7	0.012	0.00000091	0.00026	0.0013	1	0.00014	0.000006	0.0000057	0.000098	0.00011	0.00078	0.0015	0.00044	0.00058
15	August	0.000098	2.2	0.012	0.00000097	0.00025	0.00095	0.9	0.00012	0.0000064	0.0000079	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
15	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000091	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
15	October	0.00015	2.9	0.012	0.00000099	0.00041	0.0017	1.1	0.00012	0.000028	0.000013	0.00011	0.00014	0.00098	0.002	0.00051	0.00088
15	November	0.000092	2.8	0.0078	0.00000086	0.00022	0.0014	1.1	0.00013	0.000015	0.0000053	0.000066	0.00013	0.00056	0.0015	0.0007	0.00043
15	December	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000066	0.000068	0.00013	0.00056	0.0015	0.0007	0.00047
16	January	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00013	0.000015	0.0000077	0.000073	0.00014	0.00056	0.0015	0.0007	0.00053
16	February	0.000047	2.9	0.0086	0.00000072	0.00027	0.0016	1.2	0.00011	0.000019	0.000004	0.000078	0.00012	0.00041	0.002	0.00078	0.00062
16	March	0.000047	2.9	0.0086	0.00000074	0.00031	0.0016	1.2	0.00011	0.000019	0.0000092	0.000081	0.00013	0.00041	0.002	0.00078	0.00072
16	April	0.000049	2.9	0.0086	0.00000086	0.00036	0.0016	1.2	0.00013	0.00002	0.000013	0.00013	0.00013	0.00042	0.002	0.00078	0.0012
16	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00012	0.0000061	0.00001	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
16	June	0.00012	2.6	0.01	0.0000014	0.00024	0.0014	1	0.00012	0.0000059	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
16	July	0.0001	2.7	0.012	0.00000091	0.00026	0.0013	1	0.00014	0.0000059	0.0000059	0.0001	0.00011	0.00078	0.0015	0.00044	0.00058
16	August	0.000098	2.2	0.012	0.00000096	0.00024	0.00094	0.9	0.00012	0.0000064	0.000008	0.00012	0.00013	0.00061	0.0015	0.00044	0.00081
16	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000094	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
16	October	0.00015	2.9	0.012	0.00000099	0.00042	0.0017	1.1	0.00012	0.000028	0.000013	0.00011	0.00015	0.00098	0.002	0.00052	0.0009
16	November	0.000092	2.8	0.0078	0.00000087	0.00022	0.0014	1.1	0.00013	0.000015	0.0000053	0.000068	0.00013	0.00056	0.0015	0.0007	0.00044
16	December	0.000092	2.8	0.0078	0.00000087	0.00025	0.0014	1.1	0.00013	0.000015	0.0000087	0.000071	0.00014	0.00056	0.0015	0.0007	0.00052
17	January	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000053	0.000072	0.00013	0.00056	0.0015	0.0007	0.00047
17	February	0.000047	2.9	0.0086	0.00000074	0.00031	0.0016	1.2	0.00011	0.000019	0.0000096	0.000083	0.00013	0.00041	0.002	0.00078	0.00074
17	March	0.000047	2.9	0.0086	0.00000073	0.00027	0.0016	1.2	0.00011	0.000019	0.0000041	0.000079	0.00012	0.00041	0.002	0.00078	0.00062
17	April	0.000049	2.9	0.0086	0.00000087	0.00037	0.0016	1.2	0.00013	0.00002	0.000013	0.00013	0.00013	0.00042	0.002	0.00078	0.0012
17	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000061	0.000011	0.0001	0.0001	0.00063	0.0015	0.00023	0.00067
17	June	0.00012	2.6	0.01	0.0000014	0.00024	0.0014	1	0.00012	0.0000059	0.0000099	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
17	July	0.0001	2.7	0.012	0.00000091	0.00026	0.0013	1	0.00014	0.000006	0.000006	0.0001	0.00011	0.00078	0.0015	0.00044	0.00059
17	August	0.000098	2.2	0.012	0.00000097	0.00025	0.00095	0.9	0.00012	0.0000064	0.0000081	0.00012	0.00013	0.00061	0.0015	0.00044	0.00081
17	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000095	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
17	October	0.00015	2.9	0.012	0.00000099	0.00042	0.0017	1.1	0.00012	0.000028	0.000013	0.00011	0.00014	0.00098	0.002	0.00051	0.0009
17	November	0.000092	2.8	0.0078	0.00000087	0.00022	0.0014	1.1	0.00013	0.000015	0.0000053	0.000069	0.00013	0.00056	0.0015	0.0007	0.00045
17	December	0.000092	2.8	0.0078	0.00000087	0.00024	0.0014	1.1	0.00013	0.000015	0.0000083	0.000071	0.00014	0.00056	0.0015	0.0007	0.00051
18	January	0.000092	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00014	0.000015	0.0000062	0.000073	0.00013	0.00056	0.0015	0.0007	0.0005
18	February	0.000047	2.9	0.0086	0.00000074	0.0003	0.0016	1.2	0.00011	0.000019	0.0000082	0.000082	0.00013	0.00041	0.002	0.00078	0.00074
18	March	0.000047	2.9	0.0086	0.00000073	0.00027	0.0016	1.2	0.00011	0.000019	0.0000041	0.000078	0.00012	0.00041	0.002	0.00078	0.00062
18	April	0.000049	2.9	0.0086	0.00000087	0.00037	0.0016	1.2	0.00014	0.00002	0.000013	0.00013	0.00014	0.00042	0.002	0.00078	0.0012

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000061	0.000011	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
18	June	0.00012	2.6	0.01	0.0000014	0.00024	0.0014	1	0.00012	0.0000059	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
18	July	0.0001	2.7	0.012	0.00000092	0.00027	0.0013	1	0.00014	0.000006	0.0000068	0.0001	0.00011	0.00078	0.0015	0.00044	0.00061
18	August	0.000098	2.2	0.012	0.00000097	0.00024	0.00095	0.9	0.00012	0.0000064	0.0000077	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
18	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.000009	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
18	October	0.00015	2.9	0.012	0.00000099	0.00041	0.0017	1.1	0.00012	0.000028	0.000012	0.00011	0.00014	0.00098	0.002	0.00051	0.00087
18	November	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00013	0.000015	0.0000079	0.000071	0.00014	0.00056	0.0015	0.0007	0.00052
18	December	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000064	0.000069	0.00013	0.00056	0.0015	0.0007	0.00048
19	January	0.000093	2.8	0.0078	0.00000089	0.00025	0.0014	1.1	0.00014	0.000015	0.0000082	0.000076	0.00014	0.00056	0.0015	0.0007	0.00057
19	February	0.000047	2.9	0.0086	0.00000073	0.00027	0.0016	1.2	0.00011	0.000019	0.0000044	0.000078	0.00012	0.00041	0.002	0.00078	0.00063
19	March	0.000047	2.9	0.0086	0.00000074	0.0003	0.0016	1.2	0.00011	0.000019	0.0000087	0.000081	0.00013	0.00041	0.002	0.00078	0.00072
19	April	0.000049	2.9	0.0086	0.00000087	0.00036	0.0016	1.2	0.00014	0.00002	0.000013	0.00012	0.00013	0.00042	0.002	0.00078	0.0012
19	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000061	0.00001	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
19	June	0.00012	2.6	0.01	0.0000014	0.00024	0.0014	1	0.00012	0.0000059	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
19	July	0.0001	2.7	0.012	0.00000092	0.00027	0.0013	1	0.00014	0.000006	0.0000067	0.0001	0.00011	0.00078	0.0015	0.00044	0.0006
19	August	0.000098	2.2	0.012	0.00000098	0.00024	0.00095	0.9	0.00012	0.0000064	0.0000076	0.00012	0.00013	0.00061	0.0015	0.00044	0.00079
19	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.000009	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
19	October	0.00015	2.9	0.012	0.000001	0.00041	0.0017	1.1	0.00012	0.000028	0.000012	0.00011	0.00014	0.00098	0.002	0.00051	0.00089
19	November	0.000092	2.8	0.0078	0.00000087	0.00024	0.0014	1.1	0.00013	0.000015	0.000008	0.000069	0.00014	0.00056	0.0015	0.0007	0.0005
19	December	0.000092	2.8	0.0078	0.00000087	0.00023	0.0014	1.1	0.00013	0.000015	0.0000059	0.00007	0.00013	0.00056	0.0015	0.0007	0.00047
20	January	0.000093	2.8	0.0078	0.00000089	0.00025	0.0014	1.1	0.00014	0.000016	0.0000086	0.000076	0.00014	0.00056	0.0015	0.0007	0.00057
20	February	0.000047	2.9	0.0086	0.00000073	0.00028	0.0016	1.2	0.00011	0.000019	0.0000047	0.00008	0.00012	0.00041	0.002	0.00078	0.00065
20	March	0.000047	2.9	0.0086	0.00000074	0.0003	0.0016	1.2	0.00011	0.000019	0.0000087	0.000081	0.00013	0.00041	0.002	0.00078	0.00072
20	April	0.000049	2.9	0.0086	0.00000087	0.00036	0.0016	1.2	0.00014	0.00002	0.000013	0.00012	0.00013	0.00042	0.002	0.00078	0.0012
20	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000062	0.00001	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
20	June	0.00012	2.6	0.01	0.0000015	0.00024	0.0014	1	0.00012	0.000006	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
20	July	0.0001	2.7	0.012	0.00000092	0.00027	0.0013	1	0.00014	0.0000061	0.0000064	0.0001	0.00011	0.00078	0.0015	0.00044	0.0006
20	August	0.000099	2.2	0.012	0.00000098	0.00025	0.00095	0.9	0.00013	0.0000065	0.0000079	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
20	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1.1	0.00014	0.000013	0.000009	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
20	October	0.00015	2.9	0.012	0.000001	0.00042	0.0017	1.1	0.00013	0.000028	0.000013	0.00011	0.00015	0.00098	0.002	0.00051	0.00092
20	November	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00013	0.000015	0.0000083	0.000069	0.00014	0.00056	0.0015	0.0007	0.00049
20	December	0.000092	2.8	0.0078	0.00000087	0.00022	0.0014	1.1	0.00013	0.000015	0.0000052	0.000069	0.00013	0.00056	0.0015	0.0007	0.00045
21	January	0.000093	2.8	0.0078	0.00000089	0.00026	0.0014	1.1	0.00014	0.000016	0.0000094	0.000076	0.00014	0.00056	0.0015	0.0007	0.00057
21	February	0.000047	2.9	0.0086	0.00000073	0.00027	0.0016	1.2	0.00011	0.000019	0.0000041	0.00008	0.00012	0.00041	0.002	0.00078	0.00063
21	March	0.000047	2.9	0.0086	0.00000075	0.00031	0.0016	1.2	0.00012	0.000019	0.0000091	0.000083	0.00013	0.00041	0.002	0.00078	0.00075
21	April	0.000049	2.9	0.0086	0.00000087	0.00036	0.0016	1.2	0.00014	0.00002	0.000012	0.00012	0.00013	0.00042	0.002	0.00078	0.0011
21	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000062	0.00001	0.0001	0.0001	0.00063	0.0015	0.00023	0.00066
21	June	0.00012	2.6	0.01	0.0000015	0.00024	0.0014	1	0.00012	0.000006	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
21	July	0.0001	2.7	0.012	0.00000093	0.00027	0.0013	1	0.00014	0.0000061	0.0000063	0.0001	0.00011	0.00078	0.0015	0.00044	0.0006
21	August	0.000099	2.2	0.012	0.00000099	0.00025	0.00095	0.91	0.00013	0.0000065	0.000008	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
21	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1.1	0.00015	0.000013	0.0000091	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
21	October	0.00015	2.9	0.012	0.000001	0.00043	0.0017	1.1	0.00013	0.000028	0.000014	0.00012	0.00015	0.00098	0.002	0.00051	0.00093
21	November	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00013	0.000015	0.0000074	0.000069	0.00013	0.00056	0.0015	0.0007	0.00049
21	December	0.000092	2.8	0.0078	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000063	0.00007	0.00013	0.00056	0.0015	0.0007	0.00048
22	January	0.000093	2.8	0.0078	0.0000009	0.00026	0.0014	1.1	0.00014	0.000016	0.0000093	0.000079	0.00014	0.00056	0.0015	0.0007	0.0006
22	February	0.000046	2.9	0.0086	0.0000007	0.00026	0.0016	1.2	0.00011	0.000019	0.000004	0.000068	0.00012	0.00041	0.002	0.00078	0.00054
22	March	0.000047	2.9	0.0086	0.00000074	0.0003	0.0016	1.2	0.00011	0.000019	0.0000086	0.00008	0.00013	0.00041	0.002	0.00078	0.00071
22	April	0.00005	2.9	0.0087	0.0000009	0.00037	0.0016	1.2	0.00014	0.00002	0.000014	0.00013	0.00014	0.00042	0.002	0.00078	0.0012
22	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000062	0.000011	0.0001	0.0001	0.00063	0.0015	0.00023	0.00065
22	June	0.00012	2.6	0.01	0.0000015	0.00024	0.0014	1	0.00012	0.000006	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
22	July	0.0001	2.7	0.012	0.00000093	0.00026	0.0013	1	0.00014	0.0000061	0.0000061	0.0001	0.00011	0.00078	0.0015	0.00044	0.00059
22	August	0.000099	2.2	0.012	0.00000099	0.00025	0.00096	0.9	0.00013	0.0000066	0.0000083	0.00012	0.00013	0.00061	0.0015	0.00044	0.00081
22	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1.1	0.00015	0.000013	0.0000096	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
22	October	0.00015	2.9	0.012	0.000001	0.00042	0.0017	1.1	0.00013	0.000028	0.000012	0.00012	0.00015	0.00098	0.002	0.00051	0.00093
22	November	0.000092	2.8	0.0079	0.00000088	0.00023	0.0014	1.1	0.00013	0.000015	0.0000059	0.00007	0.00013	0.00056	0.0015	0.0007	0.00046
22	December	0.000092	2.8	0.0078	0.00000086	0.00024	0.0014	1.1	0.00013	0.000015	0.0000085	0.000063	0.00013	0.00056	0.0015	0.0007	0.00043

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.000093	2.8	0.0078	0.00000089	0.00023	0.0014	1.1	0.00014	0.000016	0.0000053	0.000074	0.00013	0.00056	0.0015	0.0007	0.00049
23	February	0.000047	2.9	0.0086	0.00000075	0.00031	0.0016	1.2	0.00012	0.000019	0.000009	0.000082	0.00013	0.00041	0.002	0.00078	0.00075
23	March	0.000047	2.9	0.0086	0.00000074	0.00028	0.0016	1.2	0.00011	0.000019	0.0000042	0.00008	0.00012	0.00041	0.002	0.00078	0.00065
23	April	0.00005	2.9	0.0087	0.0000009	0.00037	0.0016	1.2	0.00014	0.00002	0.000013	0.00013	0.00014	0.00042	0.0021	0.00078	0.0012
23	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000061	0.000011	0.000098	0.0001	0.00063	0.0015	0.00023	0.00063
23	June	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00012	0.000006	0.00001	0.000094	0.0001	0.00063	0.0015	0.00023	0.00058
23	July	0.0001	2.7	0.012	0.00000093	0.00028	0.0013	1	0.00014	0.0000061	0.0000075	0.000099	0.00011	0.00078	0.0015	0.00044	0.00062
23	August	0.000099	2.2	0.012	0.00000099	0.00025	0.00096	0.91	0.00013	0.0000066	0.000008	0.00012	0.00013	0.00061	0.0015	0.00044	0.0008
23	September	0.00021	2.6	0.012	0.000001	0.00031	0.0012	1.1	0.00015	0.000013	0.000009	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
23	October	0.00015	2.9	0.012	0.000001	0.00043	0.0017	1.1	0.00013	0.000028	0.000013	0.00011	0.00015	0.00098	0.002	0.00051	0.00093
23	November	0.000092	2.8	0.0078	0.00000088	0.00024	0.0014	1.1	0.00013	0.000015	0.0000068	0.000069	0.00013	0.00056	0.0015	0.0007	0.00049
23	December	0.000092	2.8	0.0078	0.00000085	0.00023	0.0014	1.1	0.00013	0.000015	0.0000069	0.000059	0.00013	0.00056	0.0015	0.0007	0.00039
24	January	0.000093	2.8	0.0078	0.0000009	0.00025	0.0014	1.1	0.00014	0.000016	0.0000075	0.000077	0.00014	0.00056	0.0015	0.0007	0.00055
24	February	0.000047	2.9	0.0086	0.00000075	0.00029	0.0016	1.2	0.00011	0.000019	0.0000055	0.000083	0.00012	0.00041	0.002	0.00078	0.00069
24	March	0.000048	2.9	0.0086	0.00000076	0.0003	0.0016	1.2	0.00012	0.000019	0.0000078	0.000084	0.00013	0.00041	0.002	0.00078	0.00075
24	April	0.00005	2.9	0.0087	0.0000009	0.00037	0.0016	1.2	0.00014	0.00002	0.000013	0.00013	0.00014	0.00042	0.0021	0.00078	0.0012
24	May	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00013	0.0000062	0.000011	0.0001	0.0001	0.00063	0.0015	0.00023	0.00064
24	June	0.00012	2.6	0.01	0.0000015	0.00025	0.0014	1	0.00012	0.0000061	0.00001	0.000096	0.0001	0.00063	0.0015	0.00023	0.00058
24	July	0.0001	2.7	0.012	0.00000094	0.00027	0.0013	1	0.00014	0.0000062	0.000007	0.0001	0.00011	0.00078	0.0015	0.00044	0.00061
24	August	0.000099	2.2	0.012	0.000001	0.00025	0.00098	0.91	0.00013	0.0000066	0.0000079	0.00012	0.00013	0.00061	0.0016	0.00044	0.0008
24	September	0.00021	2.6	0.012	0.000001	0.00031	0.0013	1.1	0.00015	0.000013	0.000009	0.00012	0.00012	0.00074	0.0014	0.0004	0.001
24	October	0.00015	2.9	0.012	0.000001	0.00043	0.0017	1.1	0.00013	0.000028	0.000013	0.00012	0.00015	0.00098	0.0021	0.00051	0.00094
24	November	0.000092	2.8	0.0078	0.00000089	0.00025	0.0014	1.1	0.00014	0.000015	0.0000083	0.000071	0.00014	0.00056	0.0015	0.0007	0.00052
24	December	0.000092	2.8	0.0078	0.00000084	0.00022	0.0014	1.1	0.00013	0.000015	0.0000052	0.000059	0.00013	0.00056	0.0015	0.0007	0.00037
25	January	0.000093	2.8	0.0078	0.0000009	0.00024	0.0015	1.1	0.00014	0.000016	0.0000083	0.000079	0.00014	0.00057	0.0016	0.0007	0.00063
25	February	0.000048	2.9	0.0086	0.00000073	0.00027	0.0017	1.2	0.00011	0.000019	0.0000041	0.000078	0.00012	0.00041	0.0021	0.00078	0.00064
25	March	0.000047	2.9	0.0086	0.00000072	0.00028	0.0017	1.2	0.00011	0.000019	0.0000077	0.000072	0.00013	0.00041	0.0021	0.00078	0.00065
25	April	0.000051	2.9	0.0087	0.00000086	0.00032	0.0018	1.2	0.00013	0.00002	0.00001	0.00012	0.00014	0.00042	0.0022	0.00078	0.0011
25	May	0.00012	2.6	0.01	0.0000015	0.00023	0.0016	1	0.00012	0.0000062	0.0000091	0.0001	0.00011	0.00063	0.0017	0.00023	0.00067
25	June	0.00012	2.6	0.01	0.0000015	0.00022	0.0016	1	0.00012	0.000006	0.0000088	0.000093	0.0001	0.00063	0.0016	0.00023	0.00059
25	July	0.0001	2.7	0.012	0.00000093	0.00027	0.0014	1	0.00014	0.0000062	0.0000093	0.0001	0.00012	0.00078	0.0017	0.00044	0.00072
25	August	0.0001	2.2	0.012	0.00000099	0.00024	0.0012	0.91	0.00012	0.0000066	0.000011	0.00012	0.00014	0.00061	0.0017	0.00044	0.00094
25	September	0.00022	2.6	0.012	0.000001	0.00029	0.0015	1.1	0.00014	0.000013	0.00001	0.00012	0.00013	0.00074	0.0016	0.0004	0.0011
25	October	0.00015	2.9	0.012	0.00000099	0.0004	0.0019	1.1	0.00012	0.000028	0.000013	0.0001	0.00015	0.00098	0.0022	0.00052	0.00091
25	November	0.000093	2.8	0.0079	0.00000089	0.00025	0.0015	1.1	0.00013	0.000015	0.000012	0.000069	0.00014	0.00056	0.0016	0.0007	0.00053
25	December	0.000093	2.8	0.0078	0.00000088	0.00023	0.0015	1.1	0.00013	0.000015	0.0000068	0.000071	0.00014	0.00056	0.0016	0.0007	0.00051
26	January	0.000093	2.8	0.0079	0.00000087	0.00022	0.0015	1.1	0.00013	0.000015	0.0000072	0.000065	0.00014	0.00056	0.0016	0.0007	0.0005
26	February	0.000047	2.9	0.0087	0.0000007	0.00026	0.0017	1.2	0.0001	0.000019	0.0000041	0.000066	0.00012	0.00041	0.0021	0.00078	0.00054
26	March	0.000049	2.9	0.0087	0.00000075	0.00027	0.0019	1.2	0.00011	0.000019	0.0000063	0.000081	0.00013	0.00041	0.0023	0.00078	0.0008
26	April	0.000052	2.9	0.0088	0.00000085	0.00029	0.0022	1.2	0.00012	0.00002	0.000009	0.00011	0.00014	0.00042	0.0025	0.00078	0.0012
26	May	0.00012	2.6	0.011	0.0000015	0.00021	0.0019	1	0.00012	0.0000062	0.000008	0.000096	0.00011	0.00063	0.0019	0.00023	0.00067
26	June	0.00012	2.6	0.01	0.0000014	0.0002	0.0018	1	0.00012	0.000006	0.0000076	0.000089	0.00011	0.00063	0.0018	0.00023	0.0006
26	July	0.0001	2.7	0.012	0.00000093	0.00025	0.0017	1	0.00014	0.0000061	0.000008	0.000095	0.00012	0.00079	0.0019	0.00044	0.00073
26	August	0.0001	2.2	0.012	0.00000098	0.00021	0.0016	0.91	0.00012	0.0000066	0.0000092	0.00011	0.00014	0.00062	0.002	0.00044	0.00094
26	September	0.00022	2.6	0.013	0.000001	0.00026	0.0019	1.1	0.00013	0.000013	0.0000084	0.00011	0.00013	0.00075	0.0018	0.0004	0.0011
26	October	0.00015	2.9	0.012	0.00000097	0.00036	0.0022	1.1	0.00011	0.000028	0.000011	0.000092	0.00015	0.00098	0.0024	0.00052	0.00087
26	November	0.000094	2.8	0.0079	0.00000089	0.00023	0.0016	1.1	0.00013	0.000015	0.0000092	0.00007	0.00014	0.00056	0.0017	0.0007	0.00058
26	December	0.000093	2.8	0.0078	0.00000087	0.00023	0.0015	1.1	0.00013	0.000015	0.00001	0.000062	0.00014	0.00056	0.0016	0.0007	0.00048
27	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.0000052	0.00005	0.00013	0.00056	0.0015	0.0007	0.0003
27	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
27	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
27	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
27	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
27	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
27	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
27	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
27	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
27	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
27	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
28	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
28	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
28	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
28	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
28	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
28	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
28	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
28	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
28	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
28	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
28	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
28	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
29	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
29	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
29	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
29	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
29	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
29	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
29	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
29	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
29	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
29	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
29	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
29	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
30	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
30	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
30	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
30	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
30	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
30	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
30	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
30	August	0.000095	2.2	0.012	0.00000079	0.00018	0.00094	0.85	0.000091	0.000005	0.000005	0.000051	0.00012	0.0006	0.0015	0.00044	0.00019
30	September	0.00021	2.5	0.012	0.00000084	0.00026	0.0012	1	0.00011	0.000012	0.0000042	0.000055	0.00011	0.00074	0.0013	0.0004	0.00034
30	October	0.00015	2.9	0.012	0.00000085	0.00037	0.0017	1.1	0.000096	0.000027	0.000007	0.000056	0.00014	0.00098	0.002	0.00051	0.00026
30	November	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000053	0.00013	0.00056	0.0015	0.0007	0.00029
30	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
31	January	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000053	0.00013	0.00056	0.0015	0.0007	0.00029
31	February	0.000045	2.9	0.0086	0.00000066	0.00025	0.0016	1.1	0.000098	0.000019	0.0000038	0.000051	0.00012	0.00041	0.002	0.00078	0.0004
31	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
31	April	0.000045	2.9	0.0086	0.0000007	0.00028	0.0016	1.2	0.0001	0.000019	0.0000039	0.000057	0.00012	0.00042	0.002	0.00078	0.0004
31	May	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000055	0.000096	0.00063	0.0015	0.00023	0.00013
31	June	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000054	0.000096	0.00063	0.0015	0.00023	0.00013
31	July	0.000098	2.7	0.012	0.0000008	0.00024	0.0013	1	0.00012	0.0000052	0.000005	0.000054	0.00011	0.00078	0.0015	0.00044	0.00018
31	August	0.000095	2.2	0.012	0.00000081	0.00019	0.00095	0.87	0.000093	0.0000052	0.0000051	0.000055	0.00012	0.00061	0.0015	0.00044	0.00019
31	September	0.00021	2.5	0.012	0.00000084	0.00024	0.0012	1	0.00011	0.000012	0.0000042	0.000052	0.00011	0.00074	0.0013	0.0004	0.00034
31	October	0.00015	2.9	0.012	0.00000084	0.00035	0.0017	1.1	0.000095	0.000027	0.000007	0.000052	0.00014	0.00098	0.002	0.00051	0.00026
31	November	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00029
31	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
32	January	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000053	0.00013	0.00056	0.0015	0.0007	0.00029
32	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.000051	0.00012	0.00041	0.002	0.00078	0.0004
32	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
32	April	0.000045	2.9	0.0086	0.00000069	0.00028	0.0016	1.2	0.0001	0.000019	0.0000039	0.000057	0.00012	0.00042	0.002	0.00078	0.0004

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000055	0.000096	0.00063	0.0015	0.00023	0.00013
32	June	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000054	0.000096	0.00063	0.0015	0.00023	0.00013
32	July	0.000098	2.7	0.012	0.0000008	0.00024	0.0013	1	0.00012	0.0000052	0.000005	0.000054	0.00011	0.00078	0.0015	0.00044	0.00018
32	August	0.000095	2.2	0.012	0.00000081	0.00019	0.00095	0.87	0.000093	0.0000052	0.0000051	0.000055	0.00012	0.00061	0.0015	0.00044	0.00019
32	September	0.00021	2.5	0.012	0.00000084	0.00024	0.0012	1	0.00011	0.000012	0.0000042	0.000052	0.00011	0.00074	0.0013	0.0004	0.00034
32	October	0.00015	2.9	0.012	0.00000084	0.00035	0.0017	1.1	0.000095	0.000027	0.000007	0.000052	0.00014	0.00098	0.002	0.00051	0.00026
32	November	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00029
32	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
33	January	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000053	0.00013	0.00056	0.0015	0.0007	0.00029
33	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000019	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
33	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
33	April	0.000045	2.9	0.0086	0.0000007	0.00028	0.0016	1.2	0.0001	0.000019	0.0000039	0.000057	0.00012	0.00042	0.002	0.00078	0.0004
33	May	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000055	0.000096	0.00063	0.0015	0.00023	0.00013
33	June	0.00012	2.6	0.01	0.0000013	0.0002	0.0014	1	0.0001	0.0000052	0.0000051	0.000054	0.000096	0.00063	0.0015	0.00023	0.00013
33	July	0.000098	2.7	0.012	0.0000008	0.00024	0.0013	1	0.00012	0.0000052	0.000005	0.000054	0.00011	0.00078	0.0015	0.00044	0.00018
33	August	0.000095	2.2	0.012	0.00000081	0.00019	0.00095	0.87	0.000093	0.0000052	0.0000051	0.000055	0.00012	0.00061	0.0015	0.00044	0.00019
33	September	0.00021	2.5	0.012	0.00000084	0.00024	0.0012	1	0.00011	0.000012	0.0000042	0.000052	0.00011	0.00074	0.0013	0.0004	0.00034
33	October	0.00015	2.9	0.012	0.00000084	0.00035	0.0017	1.1	0.000095	0.000027	0.000007	0.000052	0.00014	0.00098	0.002	0.00051	0.00026
33	November	0.000091	2.8	0.0078	0.00000083	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000052	0.00013	0.00056	0.0015	0.0007	0.00029
33	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
34	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
34	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
34	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
34	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
34	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
34	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
34	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
34	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
34	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
34	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
34	November	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
34	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
35	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
35	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
35	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
35	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
35	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
35	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
35	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
35	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
35	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
35	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
35	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
35	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
36	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
36	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
36	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
36	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
36	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
36	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
36	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
36	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
36	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
36	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
36	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
36	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
37	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
37	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
37	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
37	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
37	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
37	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
37	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
37	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
37	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
37	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
37	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
38	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
38	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
38	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
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38	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
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39	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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39	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
40	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
40	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
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40	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
40	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
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40	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
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40	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
41	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
41	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
41	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
41	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
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41	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
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41	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
42	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
42	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
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42	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
42	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
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43	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
43	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
43	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
43	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
43	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
43	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
43	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
43	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
43	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
43	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
43	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
44	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
44	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
44	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
44	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
44	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
44	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
44	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
44	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
44	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
44	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
44	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
44	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
45	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
45	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
45	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
45	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
45	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
45	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
45	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
45	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
45	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
45	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
45	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
45	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
46	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
46	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
46	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
46	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
46	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
46	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
46	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
46	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
46	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
46	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
46	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
47	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
47	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
47	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
47	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
47	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
47	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
47	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
47	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
47	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
47	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
47	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
47	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
48	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
48	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
48	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
48	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
48	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
48	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
48	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
48	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
48	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
48	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
48	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
48	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
49	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
49	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
49	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
49	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
49	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
49	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
49	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
49	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
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49	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
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49	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
50	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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50	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
50	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
50	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
50	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
50	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
50	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
50	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
51	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
51	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
51	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
51	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
51	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
51	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
51	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
51	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
51	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
51	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
51	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
52	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
52	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
52	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
52	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
52	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
52	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
52	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
52	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
52	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
52	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
52	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
52	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
53	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
53	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
53	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
53	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
53	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
53	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
53	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
53	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
53	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
53	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
53	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
53	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
54	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
54	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
54	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
54	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
54	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
54	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
54	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
54	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
54	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
54	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
54	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
54	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
55	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
55	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
55	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
55	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
55	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
55	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
55	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
55	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
55	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
55	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
55	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
56	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
56	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
56	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
56	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
56	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
56	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
56	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
56	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
56	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
56	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
56	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
56	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
57	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
57	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
57	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
57	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
57	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
57	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
57	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
57	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
57	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
57	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
57	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
57	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
58	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
58	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
58	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
58	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
58	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
58	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
58	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
58	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
58	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
58	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
58	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
58	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
59	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
59	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
59	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
59	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
59	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
59	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
59	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
59	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
59	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
59	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
59	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
59	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
60	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
60	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
60	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
60	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
60	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
60	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
60	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
60	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
60	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
60	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
60	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
61	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
61	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
61	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
61	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
61	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
61	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
61	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
61	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
61	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
61	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
61	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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62	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
62	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
62	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
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63	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
64	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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64	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
64	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
64	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
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64	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
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64	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
65	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
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65	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
65	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
65	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
65	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
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65	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
66	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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67	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
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67	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
67	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
67	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
67	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
67	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
67	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
67	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
67	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
67	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
67	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
68	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
68	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
68	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
68	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
68	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
68	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
68	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
68	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
68	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
68	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
68	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
68	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
69	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
69	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
69	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
69	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
69	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
69	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
69	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
69	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019

Table G-1: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
69	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
69	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
69	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
70	January	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
70	February	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00079	0.0004
70	March	0.000045	2.9	0.0086	0.00000065	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.0004
70	April	0.000045	2.9	0.0087	0.00000066	0.00025	0.0016	1.1	0.000097	0.000018	0.0000038	0.00005	0.00012	0.00041	0.002	0.00078	0.00039
70	May	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000093	0.00062	0.0015	0.00023	0.00012
70	June	0.00012	2.6	0.01	0.0000013	0.00018	0.0014	0.99	0.000099	0.000005	0.000005	0.00005	0.000092	0.00062	0.0015	0.00023	0.00012
70	July	0.000098	2.7	0.012	0.00000078	0.00022	0.0012	0.98	0.00012	0.000005	0.000005	0.00005	0.0001	0.00078	0.0015	0.00044	0.00018
70	August	0.000095	2.2	0.012	0.00000079	0.00017	0.00094	0.84	0.00009	0.000005	0.000005	0.00005	0.00012	0.0006	0.0015	0.00044	0.00019
70	September	0.00021	2.5	0.012	0.00000082	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00073	0.0013	0.0004	0.00034
70	October	0.00015	2.9	0.012	0.00000082	0.00033	0.0017	1.1	0.000091	0.000027	0.000007	0.000047	0.00013	0.00098	0.002	0.00052	0.00026
70	November	0.000091	2.8	0.0079	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029
70	December	0.000091	2.8	0.0078	0.00000082	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00013	0.00056	0.0015	0.0007	0.00029

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.0001	0.0016	0.18
-6	February	3.0	0.048	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-6	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000095	0.0016	0.18
-6	April	3.1	0.046	0.14	0.0087	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-6	May	2.4	0.016	0.009	0.00091	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-6	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-6	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-6	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-6	September	2.4	0.04	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-6	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.009	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-6	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
-6	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-5	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.18
-5	February	3.0	0.048	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-5	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000095	0.0016	0.18
-5	April	3.1	0.046	0.14	0.0088	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-5	May	2.4	0.016	0.009	0.00091	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-5	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-5	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-5	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-5	September	2.4	0.04	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-5	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-5	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
-5	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-4	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.0001	0.0016	0.18
-4	February	3.0	0.048	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-4	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000096	0.0016	0.18
-4	April	3.1	0.046	0.14	0.0088	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-4	May	2.4	0.016	0.009	0.00091	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-4	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-4	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-4	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-4	September	2.4	0.04	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-4	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-4	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
-4	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-3	January	2.6	0.04	0.044	0.0082	0.024	5.7	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.18
-3	February	3.0	0.053	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000077	12	0.00051	0.000096	0.0016	0.18
-3	March	3.1	0.051	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.18
-3	April	3.1	0.052	0.15	0.009	0.028	5.9	0.0028	0.067	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000098	0.0016	0.18
-3	May	2.4	0.019	0.015	0.001	0.022	4.9	0.00061	0.17	0.00027	0.0053	0.00001	0.005	0.000003	9.9	0.00053	0.00014	0.0014	0.25
-3	June	2.4	0.019	0.013	0.001	0.022	4.8	0.00062	0.17	0.00027	0.0053	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
-3	July	2.6	0.025	0.017	0.0016	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000042	10	0.0005	0.00014	0.0014	0.25
-3	August	2.4	0.028	0.02	0.0014	0.021	5.1	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.000099	0.0013	0.23
-3	September	2.4	0.044	0.024	0.0056	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000035	11	0.00038	0.00012	0.0013	0.18
-3	October	2.4	0.037	0.051	0.0061	0.056	5.0	0.0021	0.25	0.00036	0.0091	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
-3	November	2.7	0.038	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-3	December	2.6	0.038	0.042	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000077	11	0.00043	0.0001	0.0016	0.17
-2	January	2.6	0.041	0.044	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000081	11	0.00044	0.0001	0.0016	0.18
-2	February	3.0	0.053	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000077	12	0.00051	0.000096	0.0016	0.18
-2	March	3.1	0.052	0.15	0.009	0.028	5.9	0.0028	0.066	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000097	0.0016	0.18
-2	April	3.1	0.057	0.16	0.0091	0.028	6.0	0.0028	0.067	0.00045	0.0081	0.00001	0.0051	0.0000079	12	0.00052	0.000099	0.0016	0.18
-2	May	2.4	0.023	0.021	0.0012	0.022	5.0	0.00061	0.17	0.00027	0.0053	0.00001	0.0051	0.0000033	9.9	0.00053	0.00014	0.0014	0.26
-2	June	2.4	0.022	0.019	0.0012	0.022	5.0	0.00062	0.17	0.00027	0.0053	0.00001	0.0051	0.0000032	9.9	0.00053	0.00014	0.0014	0.26
-2	July	2.6	0.029	0.023	0.0017	0.033	3.9	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000044	10	0.0005	0.00014	0.0015	0.25
-2	August	2.4	0.031	0.026	0.0015	0.021	5.2	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.000099	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	2.4	0.047	0.03	0.0057	0.042	5.1	0.0021	0.14	0.00035	0.011	0.0000096	0.0054	0.0000037	11	0.00038	0.00012	0.0013	0.18
-2	October	2.4	0.038	0.054	0.0061	0.056	5.1	0.0021	0.25	0.00036	0.0091	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
-2	November	2.7	0.038	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-2	December	2.6	0.038	0.042	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000077	11	0.00043	0.0001	0.0016	0.17
-1	January	2.6	0.038	0.041	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.0001	0.0016	0.18
-1	February	3.0	0.049	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.18
-1	March	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.066	0.00045	0.0082	0.00001	0.0051	0.0000074	12	0.00051	0.000096	0.0016	0.18
-1	April	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.067	0.00044	0.0081	0.00001	0.005	0.0000074	12	0.00051	0.000097	0.0016	0.18
-1	May	2.4	0.016	0.0099	0.00094	0.022	4.8	0.00061	0.17	0.00027	0.0053	0.00001	0.005	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
-1	June	2.4	0.016	0.0095	0.00096	0.022	4.8	0.00062	0.17	0.00027	0.0053	0.00001	0.005	0.0000028	9.9	0.00053	0.00014	0.0014	0.25
-1	July	2.6	0.041	0.044	0.0021	0.033	4.3	0.0018	0.19	0.00038	0.0067	0.00001	0.0052	0.0000052	10	0.0005	0.00014	0.0015	0.25
-1	August	2.4	0.042	0.045	0.0019	0.021	5.6	0.0019	0.17	0.00036	0.0073	0.00001	0.0052	0.0000061	8.7	0.00032	0.0001	0.0013	0.23
-1	September	2.4	0.053	0.039	0.0059	0.042	5.3	0.0021	0.14	0.00035	0.011	0.0000096	0.0054	0.0000041	11	0.00038	0.00012	0.0013	0.18
-1	October	2.4	0.044	0.064	0.0063	0.056	5.3	0.0021	0.25	0.00037	0.0091	0.000031	0.0057	0.000011	11	0.001	0.00022	0.0017	0.32
-1	November	2.7	0.037	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-1	December	2.6	0.036	0.038	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
1	January	2.6	0.037	0.038	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000078	11	0.00044	0.0001	0.0016	0.18
1	February	3.0	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000095	0.0016	0.18
1	March	3.1	0.056	0.15	0.0091	0.028	6.0	0.0028	0.065	0.00046	0.0082	0.00001	0.0051	0.0000079	12	0.00051	0.000097	0.0016	0.18
1	April	3.2	0.11	0.25	0.011	0.028	7.2	0.003	0.066	0.0005	0.0081	0.00001	0.0054	0.00001	12	0.00051	0.00013	0.0016	0.18
1	May	2.5	0.067	0.094	0.0027	0.022	6.0	0.00078	0.16	0.00032	0.0053	0.00001	0.0053	0.0000054	10	0.00053	0.00017	0.0014	0.25
1	June	2.5	0.055	0.074	0.0023	0.022	5.8	0.00075	0.16	0.00031	0.0052	0.00001	0.0052	0.0000049	10	0.00053	0.00016	0.0014	0.25
1	July	2.6	0.061	0.077	0.0028	0.033	4.9	0.0018	0.19	0.00041	0.0067	0.00001	0.0053	0.0000065	10	0.0005	0.00015	0.0015	0.25
1	August	2.5	0.078	0.1	0.0032	0.021	6.6	0.0019	0.17	0.00041	0.0073	0.00001	0.0053	0.0000083	8.9	0.00032	0.0001	0.0013	0.23
1	September	2.5	0.095	0.11	0.0074	0.041	6.6	0.0021	0.14	0.00041	0.011	0.0000097	0.0057	0.0000068	11	0.00038	0.00012	0.0013	0.18
1	October	2.5	0.078	0.12	0.0075	0.056	6.3	0.0021	0.25	0.00041	0.009	0.000031	0.0059	0.000013	11	0.001	0.00022	0.0017	0.32
1	November	2.7	0.044	0.051	0.0084	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.17
1	December	2.6	0.044	0.051	0.0083	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.000008	11	0.00043	0.0001	0.0016	0.17
2	January	2.6	0.037	0.039	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.0001	0.0016	0.18
2	February	3.0	0.049	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000096	0.0016	0.17
2	March	3.1	0.047	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0082	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.18
2	April	3.3	0.11	0.24	0.011	0.028	8.2	0.003	0.066	0.00053	0.0081	0.00001	0.0058	0.000012	12	0.00051	0.00013	0.0016	0.18
2	May	2.6	0.068	0.096	0.0028	0.022	6.6	0.00079	0.16	0.00033	0.0053	0.00001	0.0056	0.0000066	10	0.00053	0.00017	0.0015	0.25
2	June	2.5	0.057	0.076	0.0024	0.022	6.4	0.00075	0.16	0.00032	0.0052	0.00001	0.0055	0.000006	10	0.00053	0.00016	0.0014	0.25
2	July	2.7	0.062	0.078	0.0029	0.033	5.5	0.0018	0.19	0.00043	0.0067	0.000011	0.0056	0.0000076	11	0.0005	0.00016	0.0015	0.25
2	August	2.5	0.074	0.098	0.003	0.021	7.4	0.0019	0.17	0.00043	0.0073	0.00001	0.0057	0.0000096	9	0.00032	0.00011	0.0013	0.23
2	September	2.6	0.096	0.11	0.0075	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000097	0.0061	0.0000085	11	0.00038	0.00013	0.0013	0.18
2	October	2.6	0.086	0.13	0.0078	0.056	7.5	0.0021	0.25	0.00045	0.009	0.000031	0.0064	0.000015	12	0.001	0.00022	0.0017	0.32
2	November	2.7	0.046	0.054	0.0084	0.024	6.2	0.0028	0.11	0.00042	0.0078	0.000012	0.008	0.0000084	11	0.00044	0.00011	0.0016	0.17
2	December	2.7	0.052	0.065	0.0086	0.024	6.5	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.0000091	11	0.00043	0.00011	0.0016	0.17
3	January	2.6	0.039	0.041	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.18
3	February	3.1	0.05	0.14	0.0089	0.028	5.9	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.17
3	March	3.1	0.05	0.14	0.0089	0.028	5.9	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.18
3	April	3.3	0.11	0.25	0.011	0.028	8.2	0.003	0.066	0.00053	0.0081	0.000011	0.0059	0.000013	12	0.00051	0.00013	0.0016	0.18
3	May	2.6	0.071	0.1	0.0029	0.022	6.7	0.0008	0.16	0.00033	0.0053	0.00001	0.0057	0.0000074	10	0.00053	0.00017	0.0015	0.25
3	June	2.5	0.058	0.078	0.0024	0.022	6.3	0.00076	0.16	0.00032	0.0052	0.00001	0.0056	0.0000065	10	0.00053	0.00016	0.0014	0.25
3	July	2.7	0.063	0.08	0.0029	0.033	5.5	0.0018	0.19	0.00043	0.0067	0.000011	0.0056	0.0000082	11	0.0005	0.00015	0.0015	0.25
3	August	2.6	0.076	0.1	0.0031	0.021	7.4	0.0019	0.17	0.00043	0.0073	0.00001	0.0058	0.00001	9.1	0.00032	0.00011	0.0013	0.23
3	September	2.6	0.096	0.11	0.0075	0.041	7.5	0.0021	0.14	0.00043	0.011	0.0000097	0.0062	0.0000094	11	0.00038	0.00012	0.0013	0.18
3	October	2.6	0.092	0.14	0.008	0.056	7.7	0.0021	0.25	0.00045	0.009	0.000031	0.0066	0.000016	12	0.001	0.00022	0.0017	0.32
3	November	2.7	0.05	0.061	0.0086	0.024	6.4	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.000009	11	0.00044	0.00011	0.0016	0.17
3	December	2.7	0.045	0.054	0.0083	0.024	6.2	0.0028	0.11	0.00042	0.0078	0.000012	0.008	0.0000086	11	0.00043	0.0001	0.0016	0.17
4	January	2.6	0.04	0.042	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000081	11	0.00044	0.00011	0.0016	0.18
4	February	3.1	0.063	0.16	0.0094	0.028	6.5	0.0028	0.065	0.00047	0.0081	0.00001	0.0053	0.0000093	12	0.00051	0.000098	0.0016	0.18
4	March	3.1	0.051	0.14	0.009	0.028	6.0	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.0000077	12	0.00051	0.000097	0.0016	0.18
4	April	3.3	0.11	0.25	0.011	0.028	8.7	0.003	0.066	0.00054	0.0081	0.000011	0.0061	0.000015	12	0.00051	0.00013	0.0016	0.18

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	2.6	0.072	0.1	0.0029	0.022	6.9	0.0008	0.17	0.00034	0.0053	0.00001	0.0058	0.0000085	10	0.00053	0.00017	0.0015	0.25
4	June	2.5	0.064	0.088	0.0027	0.022	6.5	0.00078	0.16	0.00033	0.0052	0.00001	0.0057	0.0000075	10	0.00053	0.00016	0.0014	0.25
4	July	2.7	0.063	0.08	0.0029	0.033	5.7	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.0000094	11	0.0005	0.00015	0.0015	0.25
4	August	2.6	0.08	0.11	0.0032	0.021	7.8	0.0019	0.17	0.00044	0.0073	0.000011	0.006	0.000012	9.1	0.00032	0.00011	0.0013	0.23
4	September	2.6	0.097	0.11	0.0075	0.041	7.8	0.0021	0.14	0.00044	0.011	0.0000098	0.0063	0.000011	11	0.00038	0.00012	0.0013	0.18
4	October	2.6	0.093	0.14	0.008	0.056	7.9	0.0021	0.25	0.00046	0.009	0.000031	0.0067	0.000018	12	0.001	0.00022	0.0017	0.32
4	November	2.8	0.059	0.076	0.0089	0.024	6.9	0.0028	0.11	0.00044	0.0078	0.000012	0.0083	0.000011	12	0.00044	0.00011	0.0016	0.17
4	December	2.7	0.049	0.059	0.0085	0.024	6.4	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.0000093	11	0.00043	0.00011	0.0016	0.17
5	January	2.7	0.05	0.059	0.0086	0.024	6.3	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.0000098	12	0.00044	0.00011	0.0016	0.18
5	February	3.1	0.066	0.17	0.0095	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0053	0.00001	12	0.00051	0.000099	0.0016	0.18
5	March	3.1	0.052	0.15	0.0091	0.028	6.0	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.000008	12	0.00051	0.000098	0.0016	0.18
5	April	3.4	0.12	0.25	0.011	0.028	8.6	0.003	0.066	0.00055	0.0081	0.000011	0.006	0.000017	12	0.00052	0.00013	0.0016	0.18
5	May	2.6	0.072	0.1	0.0029	0.022	6.8	0.0008	0.17	0.00034	0.0053	0.00001	0.0058	0.0000096	10	0.00053	0.00017	0.0015	0.25
5	June	2.5	0.064	0.088	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0057	0.0000083	10	0.00053	0.00016	0.0014	0.25
5	July	2.7	0.065	0.083	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.00001	11	0.0005	0.00015	0.0015	0.25
5	August	2.6	0.08	0.11	0.0033	0.021	7.7	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.1	0.00032	0.00011	0.0013	0.23
5	September	2.6	0.098	0.11	0.0075	0.041	7.7	0.0021	0.14	0.00044	0.011	0.0000098	0.0063	0.000012	11	0.00038	0.00012	0.0013	0.18
5	October	2.7	0.094	0.15	0.0081	0.056	7.8	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
5	November	2.8	0.063	0.082	0.009	0.024	7.0	0.0028	0.11	0.00045	0.0078	0.000012	0.0083	0.000012	12	0.00044	0.00011	0.0016	0.17
5	December	2.7	0.056	0.07	0.0088	0.024	6.7	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17
6	January	2.7	0.053	0.063	0.0087	0.024	6.4	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.00001	12	0.00044	0.00011	0.0016	0.18
6	February	3.1	0.072	0.18	0.0097	0.028	6.8	0.0028	0.065	0.00049	0.0081	0.00001	0.0054	0.000011	12	0.00051	0.0001	0.0016	0.18
6	March	3.1	0.063	0.16	0.0095	0.028	6.5	0.0028	0.065	0.00047	0.0082	0.00001	0.0053	0.0000098	12	0.00051	0.000099	0.0016	0.18
6	April	3.3	0.12	0.26	0.011	0.028	8.6	0.003	0.066	0.00055	0.0081	0.000011	0.006	0.000018	12	0.00052	0.00013	0.0016	0.18
6	May	2.6	0.073	0.1	0.003	0.022	6.8	0.0008	0.17	0.00034	0.0053	0.00001	0.0057	0.00001	10	0.00053	0.00017	0.0015	0.25
6	June	2.5	0.064	0.089	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0056	0.0000088	10	0.00053	0.00016	0.0014	0.25
6	July	2.7	0.066	0.084	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.000011	11	0.0005	0.00016	0.0015	0.25
6	August	2.6	0.081	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.1	0.00032	0.00011	0.0013	0.23
6	September	2.6	0.098	0.11	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000099	0.0062	0.000013	11	0.00038	0.00012	0.0013	0.18
6	October	2.6	0.094	0.15	0.0081	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
6	November	2.8	0.073	0.098	0.0094	0.024	7.4	0.0029	0.11	0.00047	0.0078	0.000012	0.0084	0.000014	12	0.00044	0.00011	0.0016	0.17
6	December	2.7	0.058	0.073	0.0088	0.024	6.7	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17
7	January	2.7	0.054	0.065	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.000011	12	0.00044	0.00011	0.0016	0.18
7	February	3.2	0.082	0.19	0.01	0.028	7.3	0.0028	0.065	0.0005	0.0081	0.00001	0.0055	0.000013	12	0.00051	0.0001	0.0016	0.18
7	March	3.2	0.068	0.17	0.0096	0.028	6.7	0.0028	0.065	0.00048	0.0082	0.00001	0.0053	0.000011	12	0.00051	0.0001	0.0016	0.18
7	April	3.4	0.12	0.26	0.011	0.028	8.7	0.003	0.066	0.00056	0.0081	0.000011	0.006	0.000019	13	0.00052	0.00013	0.0016	0.18
7	May	2.6	0.073	0.1	0.003	0.022	6.7	0.0008	0.17	0.00034	0.0053	0.00001	0.0057	0.000011	10	0.00053	0.00017	0.0015	0.25
7	June	2.6	0.065	0.09	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0056	0.0000092	10	0.00053	0.00016	0.0014	0.25
7	July	2.7	0.065	0.083	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0056	0.000011	11	0.0005	0.00015	0.0015	0.25
7	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0058	0.000015	9.2	0.00032	0.00011	0.0013	0.23
7	September	2.6	0.099	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000099	0.0062	0.000014	11	0.00038	0.00012	0.0013	0.18
7	October	2.7	0.095	0.15	0.0081	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0065	0.000021	12	0.001	0.00022	0.0017	0.32
7	November	2.8	0.072	0.096	0.0093	0.024	7.3	0.0029	0.11	0.00047	0.0078	0.000012	0.0084	0.000014	12	0.00044	0.00011	0.0016	0.17
7	December	2.7	0.059	0.075	0.0089	0.024	6.8	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000012	12	0.00043	0.00011	0.0016	0.17
8	January	2.7	0.055	0.066	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.00001	12	0.00044	0.00011	0.0016	0.18
8	February	3.1	0.071	0.17	0.0097	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.000011	12	0.00051	0.0001	0.0016	0.17
8	March	3.2	0.082	0.2	0.01	0.028	7.3	0.0028	0.065	0.0005	0.0081	0.00001	0.0055	0.000013	12	0.00051	0.0001	0.0016	0.18
8	April	3.4	0.13	0.28	0.012	0.028	8.7	0.0031	0.066	0.00055	0.0081	0.000011	0.0061	0.000018	13	0.00052	0.00014	0.0016	0.18
8	May	2.6	0.074	0.1	0.003	0.022	6.8	0.00081	0.16	0.00034	0.0053	0.00001	0.0057	0.0000097	10	0.00053	0.00017	0.0014	0.25
8	June	2.6	0.065	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0056	0.0000085	10	0.00053	0.00016	0.0014	0.25
8	July	2.7	0.066	0.085	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.000011	11	0.0005	0.00015	0.0015	0.25
8	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.2	0.00032	0.00011	0.0013	0.23
8	September	2.6	0.1	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000098	0.0062	0.000013	11	0.00038	0.00012	0.0013	0.18
8	October	2.7	0.096	0.15	0.0082	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
8	November	2.8	0.065	0.084	0.0091	0.024	7.0	0.0028	0.11	0.00045	0.0078	0.000012	0.0083	0.000012	12	0.00044	0.00011	0.0016	0.17
8	December	2.7	0.057	0.07	0.0088	0.024	6.6	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	2.7	0.057	0.068	0.0088	0.024	6.6	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.18
9	February	3.1	0.074	0.18	0.0098	0.028	6.9	0.0028	0.064	0.00048	0.0081	0.00001	0.0054	0.00001	12	0.00051	0.0001	0.0016	0.17
9	March	3.2	0.081	0.19	0.01	0.028	7.3	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.000011	12	0.00051	0.0001	0.0016	0.18
9	April	3.4	0.14	0.29	0.012	0.028	8.8	0.0031	0.066	0.00053	0.0081	0.000011	0.0062	0.000015	13	0.00052	0.00014	0.0017	0.18
9	May	2.6	0.075	0.11	0.0031	0.022	6.8	0.00081	0.16	0.00033	0.0053	0.00001	0.0058	0.0000077	10	0.00053	0.00017	0.0014	0.25
9	June	2.6	0.066	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
9	July	2.7	0.067	0.086	0.0031	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0057	0.0000087	11	0.0005	0.00015	0.0015	0.25
9	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.000011	9.2	0.00032	0.00011	0.0013	0.23
9	September	2.6	0.1	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000098	0.0063	0.00001	11	0.00038	0.00012	0.0013	0.18
9	October	2.7	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000017	12	0.001	0.00022	0.0017	0.32
9	November	2.8	0.058	0.073	0.0089	0.024	6.7	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.17
9	December	2.7	0.051	0.061	0.0086	0.024	6.4	0.0028	0.11	0.00042	0.0078	0.000012	0.0081	0.0000091	11	0.00043	0.00011	0.0016	0.17
10	January	2.7	0.066	0.088	0.0093	0.024	6.6	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000096	12	0.00044	0.00012	0.0016	0.18
10	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.064	0.00048	0.0081	0.00001	0.0054	0.0000095	12	0.00051	0.0001	0.0016	0.17
10	March	3.2	0.083	0.2	0.01	0.028	7.4	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.00001	12	0.00051	0.0001	0.0016	0.18
10	April	3.4	0.14	0.29	0.012	0.028	8.8	0.0031	0.066	0.00053	0.0081	0.000011	0.0062	0.000013	12	0.00052	0.00014	0.0017	0.18
10	May	2.6	0.072	0.1	0.003	0.022	6.7	0.0008	0.16	0.00032	0.0053	0.00001	0.0057	0.0000067	10	0.00053	0.00017	0.0014	0.25
10	June	2.5	0.065	0.09	0.0027	0.022	6.5	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000062	10	0.00053	0.00016	0.0014	0.25
10	July	2.7	0.067	0.085	0.003	0.033	5.7	0.0018	0.19	0.00042	0.0067	0.000011	0.0057	0.0000079	11	0.0005	0.00015	0.0015	0.25
10	August	2.6	0.082	0.11	0.0033	0.021	7.7	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.00001	9.2	0.00032	0.00011	0.0013	0.23
10	September	2.6	0.1	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000097	0.0063	0.0000089	11	0.00038	0.00012	0.0013	0.18
10	October	2.6	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
10	November	2.7	0.059	0.074	0.0089	0.024	6.8	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000096	12	0.00044	0.00011	0.0016	0.17
10	December	2.7	0.054	0.066	0.0087	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000089	11	0.00043	0.00011	0.0016	0.17
11	January	2.7	0.064	0.08	0.0091	0.024	6.6	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000095	12	0.00044	0.00012	0.0016	0.18
11	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.064	0.00048	0.0081	0.00001	0.0054	0.0000095	12	0.00051	0.0001	0.0016	0.17
11	March	3.2	0.083	0.2	0.01	0.028	7.4	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.000011	12	0.00051	0.0001	0.0016	0.18
11	April	3.4	0.14	0.29	0.012	0.028	8.7	0.0031	0.066	0.00053	0.0081	0.000011	0.0063	0.000013	12	0.00052	0.00014	0.0017	0.18
11	May	2.6	0.072	0.1	0.003	0.022	6.7	0.0008	0.16	0.00032	0.0053	0.00001	0.0058	0.0000066	10	0.00053	0.00017	0.0014	0.25
11	June	2.5	0.066	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000061	10	0.00053	0.00016	0.0014	0.25
11	July	2.7	0.066	0.084	0.003	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.0000079	11	0.0005	0.00015	0.0015	0.25
11	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.00001	9.1	0.00032	0.00011	0.0013	0.23
11	September	2.6	0.1	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000097	0.0064	0.0000089	11	0.00038	0.00012	0.0013	0.18
11	October	2.6	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
11	November	2.7	0.059	0.075	0.0089	0.024	6.8	0.0028	0.11	0.00043	0.0078	0.000012	0.0083	0.0000096	12	0.00044	0.00011	0.0016	0.17
11	December	2.7	0.058	0.076	0.0089	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000089	11	0.00043	0.00012	0.0016	0.17
12	January	2.7	0.056	0.068	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.0000094	12	0.00044	0.00011	0.0016	0.18
12	February	3.1	0.073	0.18	0.0098	0.028	6.8	0.0028	0.064	0.00048	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.0001	0.0016	0.17
12	March	3.2	0.096	0.22	0.011	0.028	7.4	0.003	0.065	0.0005	0.0081	0.00001	0.0057	0.000011	12	0.00051	0.00012	0.0016	0.18
12	April	3.3	0.13	0.27	0.012	0.028	8.3	0.0031	0.066	0.00053	0.0081	0.000011	0.0061	0.000013	12	0.00052	0.00014	0.0017	0.18
12	May	2.6	0.074	0.1	0.003	0.022	6.7	0.00081	0.16	0.00033	0.0053	0.00001	0.0058	0.0000069	10	0.00053	0.00017	0.0014	0.25
12	June	2.5	0.065	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000062	10	0.00053	0.00016	0.0014	0.25
12	July	2.7	0.067	0.085	0.003	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.000008	11	0.0005	0.00015	0.0015	0.25
12	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00043	0.0073	0.00001	0.006	0.00001	9.2	0.00032	0.00011	0.0013	0.23
12	September	2.6	0.1	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00043	0.011	0.0000097	0.0064	0.000009	11	0.00038	0.00012	0.0013	0.18
12	October	2.6	0.094	0.14	0.0081	0.056	7.6	0.0021	0.25	0.00045	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
12	November	2.7	0.053	0.065	0.0087	0.024	6.5	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00011	0.0016	0.17
12	December	2.7	0.063	0.082	0.009	0.024	6.6	0.0029	0.11	0.00043	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00012	0.0016	0.17
13	January	2.7	0.058	0.07	0.0089	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000095	12	0.00044	0.00011	0.0016	0.18
13	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.064	0.00048	0.0081	0.00001	0.0054	0.0000097	12	0.00051	0.0001	0.0016	0.17
13	March	3.2	0.081	0.19	0.01	0.028	7.0	0.0029	0.065	0.00048	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.00011	0.0016	0.18
13	April	3.4	0.14	0.29	0.012	0.028	8.5	0.0031	0.066	0.00053	0.0081	0.000011	0.0063	0.000014	12	0.00052	0.00014	0.0017	0.18
13	May	2.6	0.072	0.1	0.003	0.022	6.6	0.0008	0.16	0.00032	0.0053	0.00001	0.0058	0.0000069	10	0.00053	0.00017	0.0014	0.25
13	June	2.5	0.066	0.09	0.0027	0.022	6.3	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000064	10	0.00053	0.00016	0.0014	0.25
13	July	2.7	0.067	0.086	0.0031	0.033	5.5	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.0000082	11	0.0005	0.00015	0.0015	0.25
13	August	2.6	0.082	0.11	0.0033	0.021	7.5	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.000011	9.1	0.00032	0.00011	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	2.6	0.1	0.12	0.0076	0.041	7.5	0.0021	0.14	0.00042	0.011	0.0000098	0.0064	0.0000093	11	0.00038	0.00012	0.0013	0.18
13	October	2.7	0.096	0.15	0.0082	0.056	7.6	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
13	November	2.7	0.049	0.059	0.0086	0.024	6.3	0.0028	0.11	0.00042	0.0078	0.000012	0.0081	0.0000088	11	0.00044	0.00011	0.0016	0.17
13	December	2.7	0.056	0.07	0.0088	0.024	6.6	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000095	12	0.00043	0.00011	0.0016	0.17
14	January	2.7	0.071	0.093	0.0094	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
14	February	3.1	0.073	0.18	0.0098	0.028	6.6	0.0028	0.064	0.00047	0.0081	0.00001	0.0055	0.0000098	12	0.00051	0.0001	0.0016	0.17
14	March	3.2	0.07	0.17	0.0097	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.000099	0.0016	0.18
14	April	3.3	0.13	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000013	12	0.00052	0.00014	0.0016	0.18
14	May	2.6	0.075	0.11	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000074	10	0.00053	0.00017	0.0014	0.25
14	June	2.6	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000066	10	0.00053	0.00016	0.0014	0.25
14	July	2.7	0.069	0.089	0.0031	0.033	5.1	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000084	11	0.0005	0.00016	0.0015	0.25
14	August	2.6	0.09	0.12	0.0036	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
14	September	2.6	0.11	0.14	0.0081	0.041	7.0	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.0000097	11	0.00038	0.00015	0.0013	0.18
14	October	2.6	0.097	0.15	0.0082	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000015	12	0.001	0.00025	0.0017	0.32
14	November	2.7	0.051	0.063	0.0086	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.000009	11	0.00044	0.00011	0.0016	0.17
14	December	2.7	0.059	0.078	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00043	0.00012	0.0016	0.17
15	January	2.7	0.059	0.073	0.0089	0.024	6.4	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.00001	12	0.00044	0.00011	0.0016	0.18
15	February	3.1	0.079	0.19	0.01	0.028	6.5	0.0029	0.064	0.00047	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.00011	0.0016	0.17
15	March	3.2	0.073	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
15	April	3.3	0.13	0.28	0.012	0.028	7.8	0.0031	0.066	0.00051	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
15	May	2.6	0.075	0.1	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000076	10	0.00053	0.00017	0.0014	0.25
15	June	2.5	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000068	10	0.00053	0.00016	0.0014	0.25
15	July	2.7	0.066	0.085	0.003	0.033	5.1	0.0018	0.19	0.00041	0.0067	0.000011	0.0058	0.0000086	11	0.0005	0.00015	0.0015	0.25
15	August	2.6	0.09	0.12	0.0036	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
15	September	2.6	0.11	0.14	0.0081	0.041	7.0	0.0024	0.14	0.0004	0.011	0.0000098	0.0064	0.0000099	11	0.00038	0.00015	0.0013	0.18
15	October	2.6	0.1	0.16	0.0083	0.056	6.7	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000016	12	0.001	0.00025	0.0017	0.32
15	November	2.7	0.05	0.06	0.0086	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000089	11	0.00044	0.00011	0.0016	0.17
15	December	2.7	0.056	0.069	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00043	0.00011	0.0016	0.17
16	January	2.7	0.064	0.081	0.0091	0.024	6.3	0.0029	0.11	0.00042	0.0077	0.000012	0.0082	0.0000098	12	0.00044	0.00012	0.0016	0.18
16	February	3.1	0.074	0.18	0.0098	0.028	6.6	0.0028	0.064	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.000099	0.0016	0.17
16	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.00012	0.0016	0.18
16	April	3.3	0.13	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
16	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000075	10	0.00053	0.00017	0.0014	0.25
16	June	2.5	0.066	0.091	0.0028	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000067	10	0.00053	0.00016	0.0014	0.25
16	July	2.7	0.067	0.086	0.0031	0.033	5.1	0.0018	0.19	0.0004	0.0067	0.000011	0.0058	0.0000085	11	0.0005	0.00015	0.0015	0.25
16	August	2.6	0.091	0.12	0.0037	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
16	September	2.6	0.11	0.14	0.0082	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0064	0.0000098	11	0.00038	0.00015	0.0013	0.18
16	October	2.6	0.1	0.16	0.0084	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000015	12	0.001	0.00025	0.0017	0.32
16	November	2.7	0.052	0.063	0.0087	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000091	11	0.00044	0.00011	0.0016	0.17
16	December	2.7	0.061	0.081	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00043	0.00012	0.0016	0.17
17	January	2.7	0.058	0.07	0.0089	0.024	6.3	0.0028	0.11	0.00042	0.0077	0.000012	0.0082	0.0000098	12	0.00044	0.00011	0.0016	0.18
17	February	3.1	0.087	0.21	0.01	0.028	6.6	0.003	0.064	0.00047	0.0081	0.00001	0.0056	0.00001	12	0.00051	0.00012	0.0016	0.17
17	March	3.2	0.073	0.18	0.0099	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
17	April	3.3	0.13	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0063	0.000014	12	0.00052	0.00014	0.0016	0.18
17	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000076	10	0.00053	0.00017	0.0014	0.25
17	June	2.6	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000068	10	0.00053	0.00016	0.0014	0.25
17	July	2.7	0.068	0.087	0.0031	0.033	5.1	0.0018	0.19	0.0004	0.0067	0.000011	0.0058	0.0000086	11	0.0005	0.00015	0.0015	0.25
17	August	2.6	0.091	0.12	0.0037	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.00001	0.0062	0.000011	9.1	0.00032	0.00012	0.0013	0.23
17	September	2.6	0.12	0.14	0.0082	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
17	October	2.6	0.1	0.16	0.0084	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
17	November	2.7	0.053	0.064	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00044	0.00011	0.0016	0.17
17	December	2.7	0.06	0.079	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00012	0.0016	0.17
18	January	2.7	0.061	0.075	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0077	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.18
18	February	3.1	0.087	0.2	0.01	0.028	6.6	0.003	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.00011	0.0016	0.18
18	March	3.2	0.073	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
18	April	3.3	0.13	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000077	10	0.00053	0.00017	0.0014	0.25
18	June	2.5	0.066	0.091	0.0028	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
18	July	2.7	0.07	0.09	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000087	11	0.0005	0.00016	0.0015	0.25
18	August	2.6	0.09	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000012	9.1	0.00032	0.00012	0.0013	0.23
18	September	2.6	0.11	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0064	0.00001	11	0.00038	0.00015	0.0013	0.18
18	October	2.6	0.099	0.15	0.0083	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000016	12	0.001	0.00025	0.0017	0.32
18	November	2.7	0.06	0.078	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00044	0.00012	0.0016	0.17
18	December	2.7	0.056	0.069	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
19	January	2.7	0.068	0.087	0.0092	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
19	February	3.1	0.075	0.18	0.0099	0.028	6.6	0.0029	0.064	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.0001	0.0016	0.18
19	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
19	April	3.3	0.13	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
19	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000078	10	0.00053	0.00017	0.0014	0.25
19	June	2.6	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0058	0.0000069	10	0.00053	0.00016	0.0014	0.25
19	July	2.7	0.069	0.09	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000088	11	0.0005	0.00016	0.0015	0.25
19	August	2.6	0.09	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000012	9.1	0.00032	0.00012	0.0013	0.23
19	September	2.6	0.11	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
19	October	2.6	0.1	0.16	0.0084	0.056	6.7	0.0023	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
19	November	2.7	0.058	0.075	0.0089	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00011	0.0016	0.17
19	December	2.7	0.055	0.068	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
20	January	2.7	0.068	0.088	0.0093	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
20	February	3.1	0.077	0.18	0.0099	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.0001	0.0016	0.18
20	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
20	April	3.3	0.13	0.27	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
20	May	2.6	0.075	0.11	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000078	10	0.00053	0.00017	0.0014	0.25
20	June	2.6	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0058	0.0000069	10	0.00053	0.00016	0.0014	0.25
20	July	2.7	0.068	0.088	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000088	11	0.0005	0.00015	0.0015	0.25
20	August	2.6	0.091	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.1	0.00032	0.00012	0.0013	0.23
20	September	2.6	0.11	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
20	October	2.6	0.1	0.16	0.0085	0.056	6.7	0.0024	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
20	November	2.7	0.057	0.075	0.0089	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00012	0.0016	0.17
20	December	2.7	0.053	0.065	0.0087	0.024	6.3	0.0028	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
21	January	2.7	0.068	0.091	0.0093	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
21	February	3.1	0.075	0.18	0.0099	0.028	6.7	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.000011	12	0.00051	0.0001	0.0016	0.18
21	March	3.2	0.087	0.21	0.01	0.028	6.7	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00012	0.0016	0.18
21	April	3.3	0.13	0.27	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00013	0.0016	0.18
21	May	2.6	0.075	0.11	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000083	10	0.00053	0.00017	0.0014	0.25
21	June	2.6	0.066	0.091	0.0027	0.022	6.1	0.00079	0.16	0.00031	0.0052	0.00001	0.0058	0.0000073	10	0.00053	0.00016	0.0014	0.25
21	July	2.7	0.068	0.088	0.0031	0.033	5.2	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000093	11	0.0005	0.00015	0.0015	0.25
21	August	2.6	0.09	0.12	0.0036	0.021	7.1	0.0021	0.17	0.00041	0.0073	0.000011	0.0061	0.000012	9.1	0.00032	0.00012	0.0013	0.23
21	September	2.6	0.11	0.14	0.0081	0.041	7.1	0.0024	0.14	0.00041	0.011	0.0000098	0.0065	0.000011	11	0.00038	0.00015	0.0013	0.18
21	October	2.6	0.11	0.17	0.0085	0.056	6.8	0.0024	0.25	0.00042	0.009	0.000031	0.0068	0.000017	12	0.001	0.00025	0.0017	0.32
21	November	2.7	0.058	0.073	0.0089	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00044	0.00011	0.0016	0.17
21	December	2.7	0.056	0.07	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000096	11	0.00043	0.00011	0.0016	0.17
22	January	2.7	0.072	0.094	0.0094	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.000011	12	0.00044	0.00012	0.0016	0.18
22	February	3.1	0.065	0.16	0.0095	0.028	6.3	0.0028	0.064	0.00046	0.0081	0.00001	0.0053	0.0000093	12	0.00051	0.000099	0.0016	0.18
22	March	3.2	0.082	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
22	April	3.3	0.14	0.29	0.012	0.028	7.8	0.0031	0.066	0.0005	0.0081	0.000011	0.0063	0.000015	12	0.00052	0.00014	0.0016	0.18
22	May	2.6	0.074	0.1	0.003	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000081	10	0.00053	0.00017	0.0014	0.26
22	June	2.6	0.066	0.091	0.0028	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0058	0.0000073	10	0.00053	0.00016	0.0014	0.26
22	July	2.7	0.068	0.087	0.0031	0.033	5.1	0.0018	0.19	0.00041	0.0067	0.000011	0.0058	0.0000092	11	0.0005	0.00015	0.0015	0.25
22	August	2.6	0.092	0.13	0.0037	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.2	0.00032	0.00013	0.0013	0.23
22	September	2.6	0.12	0.14	0.0082	0.041	7.0	0.0024	0.14	0.0004	0.011	0.0000099	0.0065	0.000011	11	0.00038	0.00015	0.0013	0.18
22	October	2.6	0.11	0.16	0.0085	0.056	6.9	0.0024	0.25	0.00041	0.009	0.000031	0.0068	0.000017	12	0.001	0.00025	0.0017	0.32
22	November	2.7	0.054	0.067	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000094	11	0.00044	0.00011	0.0016	0.17
22	December	2.7	0.051	0.068	0.0088	0.024	6.1	0.0029	0.11	0.00041	0.0078	0.000012	0.0081	0.0000087	11	0.00043	0.00011	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	2.7	0.06	0.074	0.009	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.00001	12	0.00044	0.00011	0.0016	0.18
23	February	3.1	0.088	0.21	0.01	0.028	6.8	0.003	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00012	0.0016	0.18
23	March	3.2	0.076	0.18	0.0099	0.028	6.8	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.000011	12	0.00052	0.0001	0.0016	0.18
23	April	3.3	0.14	0.28	0.012	0.028	8.1	0.0031	0.066	0.00051	0.0081	0.000011	0.0062	0.000015	12	0.00052	0.00014	0.0016	0.19
23	May	2.6	0.072	0.1	0.003	0.022	6.3	0.0008	0.17	0.00031	0.0053	0.00001	0.0058	0.0000079	10	0.00053	0.00017	0.0014	0.26
23	June	2.5	0.066	0.091	0.0027	0.022	6.1	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000073	10	0.00053	0.00016	0.0014	0.26
23	July	2.7	0.071	0.093	0.0032	0.033	5.3	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000093	11	0.0005	0.00016	0.0015	0.25
23	August	2.6	0.091	0.12	0.0036	0.021	7.2	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000012	9.1	0.00033	0.00012	0.0013	0.23
23	September	2.6	0.11	0.14	0.0081	0.041	7.2	0.0024	0.14	0.0004	0.011	0.0000099	0.0064	0.000011	11	0.00039	0.00015	0.0013	0.19
23	October	2.6	0.11	0.16	0.0085	0.056	7.0	0.0024	0.25	0.00041	0.009	0.000031	0.0067	0.000017	12	0.001	0.00025	0.0017	0.33
23	November	2.7	0.057	0.071	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000095	11	0.00044	0.00011	0.0016	0.17
23	December	2.7	0.047	0.057	0.0085	0.024	6.0	0.0029	0.11	0.00041	0.0078	0.000012	0.008	0.0000084	11	0.00043	0.00011	0.0016	0.17
24	January	2.7	0.066	0.085	0.0092	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
24	February	3.2	0.081	0.19	0.01	0.028	6.8	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00011	0.0016	0.18
24	March	3.2	0.087	0.2	0.01	0.028	6.9	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00012	0.0016	0.18
24	April	3.3	0.13	0.28	0.012	0.028	8.1	0.0031	0.067	0.00051	0.0081	0.000011	0.0063	0.000015	12	0.00053	0.00014	0.0016	0.19
24	May	2.6	0.072	0.1	0.003	0.022	6.4	0.0008	0.17	0.00031	0.0053	0.00001	0.0058	0.0000079	10	0.00054	0.00017	0.0014	0.26
24	June	2.6	0.066	0.091	0.0027	0.022	6.2	0.00079	0.16	0.0003	0.0052	0.00001	0.0058	0.0000073	10	0.00054	0.00016	0.0014	0.26
24	July	2.7	0.07	0.091	0.0032	0.033	5.3	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000092	11	0.00051	0.00016	0.0015	0.25
24	August	2.6	0.091	0.12	0.0036	0.021	7.3	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.1	0.00033	0.00012	0.0013	0.24
24	September	2.6	0.11	0.14	0.0081	0.041	7.3	0.0023	0.14	0.0004	0.011	0.00001	0.0065	0.000011	11	0.00039	0.00015	0.0013	0.19
24	October	2.6	0.11	0.17	0.0085	0.056	7.1	0.0024	0.25	0.00042	0.009	0.000031	0.0068	0.000017	12	0.001	0.00025	0.0017	0.33
24	November	2.7	0.06	0.079	0.009	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000095	11	0.00044	0.00012	0.0016	0.18
24	December	2.7	0.044	0.05	0.0084	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.008	0.0000084	11	0.00043	0.00011	0.0016	0.17
25	January	2.7	0.075	0.099	0.0095	0.024	6.7	0.0029	0.11	0.00042	0.0077	0.000012	0.0084	0.000012	12	0.00045	0.00012	0.0016	0.19
25	February	3.1	0.076	0.18	0.0099	0.028	6.8	0.0028	0.067	0.00046	0.0081	0.000011	0.0055	0.000012	12	0.00052	0.0001	0.0016	0.18
25	March	3.1	0.076	0.19	0.01	0.028	6.6	0.0029	0.066	0.00046	0.0081	0.000011	0.0054	0.000011	12	0.00052	0.00011	0.0016	0.19
25	April	3.3	0.13	0.27	0.012	0.028	8.1	0.0031	0.071	0.00048	0.0081	0.000011	0.0062	0.000017	12	0.00053	0.00014	0.0017	0.2
25	May	2.6	0.076	0.11	0.0031	0.022	6.7	0.00081	0.17	0.00029	0.0053	0.000011	0.0059	0.000011	10	0.00054	0.00017	0.0015	0.27
25	June	2.5	0.067	0.092	0.0028	0.022	6.3	0.00079	0.17	0.00029	0.0052	0.000011	0.0058	0.0000095	10	0.00054	0.00016	0.0014	0.27
25	July	2.7	0.082	0.11	0.0036	0.033	5.5	0.002	0.2	0.00039	0.0067	0.000011	0.0059	0.000012	11	0.00051	0.00017	0.0015	0.26
25	August	2.6	0.11	0.15	0.0042	0.021	7.5	0.0021	0.17	0.00038	0.0073	0.000011	0.0063	0.000016	9	0.00034	0.00014	0.0013	0.25
25	September	2.6	0.12	0.16	0.0085	0.041	7.5	0.0024	0.14	0.00038	0.011	0.000011	0.0066	0.000015	11	0.0004	0.00016	0.0013	0.2
25	October	2.6	0.1	0.16	0.0085	0.056	6.9	0.0024	0.25	0.00038	0.009	0.000032	0.0067	0.000018	11	0.001	0.00025	0.0017	0.34
25	November	2.7	0.061	0.087	0.0095	0.024	6.3	0.003	0.11	0.00041	0.0078	0.000012	0.0082	0.00001	11	0.00045	0.00012	0.0016	0.18
25	December	2.7	0.06	0.077	0.009	0.024	6.5	0.0029	0.11	0.00041	0.0078	0.000012	0.0082	0.000011	11	0.00044	0.00012	0.0016	0.18
26	January	2.7	0.06	0.083	0.0091	0.024	6.3	0.0029	0.11	0.00041	0.0077	0.000012	0.0082	0.000011	11	0.00044	0.00012	0.0016	0.18
26	February	3.1	0.066	0.17	0.0095	0.028	6.4	0.0028	0.066	0.00045	0.0081	0.000011	0.0054	0.000011	12	0.00052	0.0001	0.0016	0.18
26	March	3.2	0.092	0.21	0.01	0.028	7.0	0.003	0.069	0.00045	0.0081	0.000011	0.0057	0.000014	12	0.00053	0.00012	0.0017	0.19
26	April	3.3	0.13	0.28	0.012	0.028	8.1	0.0031	0.074	0.00046	0.0081	0.000013	0.0063	0.000019	12	0.00054	0.00014	0.0017	0.2
26	May	2.6	0.076	0.11	0.0031	0.022	6.7	0.00082	0.17	0.00028	0.0053	0.000012	0.006	0.000012	10	0.00054	0.00017	0.0015	0.27
26	June	2.5	0.067	0.093	0.0028	0.022	6.3	0.00079	0.17	0.00028	0.0052	0.000012	0.0059	0.000011	10	0.00054	0.00016	0.0015	0.27
26	July	2.7	0.082	0.11	0.0036	0.033	5.6	0.002	0.2	0.00038	0.0067	0.000012	0.006	0.000013	11	0.00051	0.00017	0.0015	0.26
26	August	2.6	0.11	0.15	0.0042	0.021	7.5	0.0021	0.18	0.00036	0.0073	0.000013	0.0064	0.000018	9	0.00034	0.00014	0.0014	0.25
26	September	2.6	0.12	0.15	0.0083	0.041	7.3	0.0024	0.14	0.00036	0.011	0.000012	0.0066	0.000016	11	0.0004	0.00015	0.0014	0.2
26	October	2.5	0.099	0.16	0.0083	0.056	6.7	0.0023	0.25	0.00037	0.009	0.000033	0.0067	0.000019	11	0.001	0.00025	0.0017	0.34
26	November	2.7	0.067	0.1	0.0097	0.024	6.5	0.003	0.11	0.00041	0.0078	0.000012	0.0083	0.000011	11	0.00045	0.00012	0.0016	0.19
26	December	2.7	0.057	0.076	0.0096	0.024	6.1	0.003	0.11	0.0004	0.0077	0.000012	0.0081	0.0000097	11	0.00044	0.00012	0.0016	0.18
27	January	2.6	0.039	0.038	0.0083	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.00011	0.0016	0.18
27	February	3.0	0.05	0.14	0.009	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
27	March	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
27	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000098	0.0016	0.18
27	May	2.4	0.017	0.0087	0.001	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
27	June	2.4	0.016	0.0084	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
27	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
27	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0074	0.00001	0.005	0.0000048	8.6	0.00031	0.000099	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
27	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
27	November	2.7	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
27	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
28	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
28	February	3.0	0.05	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
28	March	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
28	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
28	May	2.4	0.017	0.0087	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
28	June	2.4	0.016	0.0084	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
28	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
28	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0074	0.00001	0.0051	0.0000048	8.6	0.00031	0.000098	0.0013	0.23
28	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
28	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
28	November	2.7	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
28	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
29	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
29	February	3.0	0.05	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
29	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
29	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
29	May	2.4	0.017	0.0087	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
29	June	2.4	0.016	0.0083	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
29	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
29	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00031	0.000098	0.0013	0.23
29	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
29	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
29	November	2.7	0.035	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
29	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
30	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
30	February	3.0	0.05	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
30	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
30	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
30	May	2.4	0.017	0.0087	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
30	June	2.4	0.016	0.0083	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
30	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
30	August	2.4	0.025	0.014	0.0013	0.021	5.2	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000099	0.0013	0.23
30	September	2.4	0.04	0.018	0.0056	0.041	5.9	0.0021	0.14	0.00037	0.011	0.0000096	0.0054	0.0000032	11	0.00038	0.00012	0.0013	0.18
30	October	2.4	0.033	0.043	0.006	0.056	5.9	0.0021	0.24	0.00038	0.009	0.000031	0.0058	0.0000096	11	0.001	0.00022	0.0017	0.32
30	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
30	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
31	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
31	February	3.1	0.049	0.14	0.009	0.028	5.9	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
31	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
31	April	3.1	0.048	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18
31	May	2.5	0.017	0.0092	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
31	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
31	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
31	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
31	September	2.4	0.04	0.018	0.0056	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
31	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
31	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
31	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
32	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
32	February	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
32	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
32	April	3.1	0.047	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	2.5	0.017	0.0092	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
32	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
32	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
32	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
32	September	2.4	0.04	0.018	0.0056	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
32	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
32	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
32	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
33	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
33	February	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
33	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
33	April	3.1	0.047	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18
33	May	2.5	0.017	0.0092	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
33	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
33	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
33	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
33	September	2.4	0.04	0.018	0.0056	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
33	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
33	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
33	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
34	January	2.6	0.04	0.037	0.0083	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.00011	0.0016	0.17
34	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
34	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
34	April	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
34	May	2.4	0.016	0.0087	0.00092	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
34	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
34	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
34	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
34	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
34	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
34	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
34	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
35	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
35	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
35	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
35	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.0051	0.0000071	12	0.00052	0.000097	0.0016	0.18
35	May	2.4	0.016	0.0087	0.00091	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
35	June	2.4	0.016	0.0085	0.00095	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.000003	9.9	0.00053	0.00014	0.0014	0.25
35	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
35	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
35	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
35	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
35	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
35	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
36	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
36	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
36	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
36	April	3.1	0.047	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
36	May	2.5	0.016	0.009	0.00094	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
36	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
36	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
36	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
36	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
36	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
36	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
36	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
37	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
37	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
37	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
37	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
37	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
37	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
37	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
37	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
37	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
37	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
37	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
38	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
38	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
38	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
38	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
38	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
38	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
38	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
38	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
38	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
38	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
38	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
38	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
39	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
39	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
39	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
39	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
39	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
39	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
39	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
39	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
39	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
39	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
39	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
39	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
40	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
40	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
40	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
40	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
40	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
40	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
40	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
40	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
40	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
40	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
40	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
40	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
41	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
41	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
41	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
41	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
41	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
41	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
41	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
41	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
41	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
41	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
41	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
42	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
42	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
42	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
42	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
42	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
42	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
42	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
42	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
42	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
42	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
42	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
42	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
43	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
43	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
43	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
43	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
43	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
43	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
43	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
43	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
43	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
43	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
43	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
43	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
44	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
44	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
44	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
44	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
44	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
44	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
44	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
44	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
44	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
44	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
44	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
44	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
45	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
45	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
45	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
45	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
45	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
45	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
45	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
45	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
45	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
45	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
45	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
45	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
46	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
46	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
46	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
46	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
46	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
46	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
46	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
46	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
46	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
46	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
46	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
47	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
47	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
47	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
47	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
47	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
47	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
47	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
47	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
47	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
47	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
47	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
47	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
48	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
48	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
48	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
48	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
48	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
48	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
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48	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
48	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
48	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
49	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
49	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
49	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
49	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
49	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
49	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
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49	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
49	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
49	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
50	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
50	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
50	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
50	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
50	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
50	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
50	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
50	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
50	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
50	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
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50	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
51	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
51	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
51	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
51	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
51	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
51	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
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51	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
52	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
52	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
52	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
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52	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
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53	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
53	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
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53	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
53	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
53	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
53	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
53	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
54	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
54	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
54	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
54	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
54	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
54	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
54	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
54	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
54	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
54	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
54	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
54	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
55	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
55	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
55	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
55	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
55	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
55	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
55	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
55	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
55	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
55	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
55	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
56	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
56	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
56	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
56	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
56	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
56	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
56	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
56	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
56	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
56	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
56	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
56	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
57	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
57	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
57	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
57	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
57	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
57	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
57	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
57	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
57	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
57	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
57	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
57	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
58	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
58	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
58	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
58	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
58	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
58	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
58	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
58	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
58	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
58	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
58	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
58	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
59	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
59	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
59	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
59	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
59	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
59	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
59	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
59	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
59	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
59	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
59	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
59	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
60	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
60	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
60	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
60	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
60	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
60	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
60	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
60	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
60	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
60	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
60	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
61	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
61	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
61	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
61	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
61	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
61	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
61	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
61	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
61	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
61	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
61	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
61	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
62	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
62	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
62	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
62	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
62	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
62	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
62	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
62	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
62	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
62	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
62	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
62	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
63	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
63	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
63	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
63	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
63	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
63	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
63	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
63	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
63	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
63	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
63	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
63	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
64	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
64	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
64	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
64	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
64	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
64	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
64	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
64	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
64	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
64	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
64	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
64	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
65	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
65	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
65	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
65	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
65	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
65	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
65	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
65	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
65	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
65	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
65	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
66	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
66	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
66	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
66	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
66	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
66	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
66	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
66	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
66	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
66	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
66	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
66	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
67	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
67	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
67	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
67	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
67	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
67	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
67	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
67	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
67	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
67	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
67	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
67	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
68	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
68	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
68	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
68	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
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68	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
68	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
68	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
68	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
68	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
68	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
69	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
69	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
69	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
69	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
69	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
69	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
69	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
69	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
69	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
69	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
69	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
70	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
70	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
70	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
70	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
70	May	2.5	0.016	0.009	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
70	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
70	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
70	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
70	September	2.4	0.04	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
70	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
70	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
70	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-6	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.002	0.00079	0.00041
-6	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.0004
-6	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00013	0.00044	0.002	0.00079	0.0004
-6	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-6	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-6	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
-6	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-6	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-6	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00027
-6	November	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
-6	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.0003
-5	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-5	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.002	0.00079	0.00041
-5	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.0004
-5	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.002	0.00079	0.0004
-5	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00013
-5	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-5	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
-5	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-5	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-5	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00027
-5	November	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
-5	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.0003
-4	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-4	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.002	0.00079	0.00041
-4	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.0004
-4	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.002	0.00079	0.0004
-4	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00013
-4	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-4	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
-4	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-4	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-4	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00027
-4	November	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
-4	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.0003
-3	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00035
-3	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00045
-3	March	0.000061	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00012	0.00044	0.002	0.00079	0.00044
-3	April	0.00006	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000051	0.00013	0.00044	0.002	0.00079	0.00045
-3	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00016
-3	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00016
-3	July	0.00011	2.7	0.014	0.00000087	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00022
-3	August	0.00011	2.3	0.015	0.00000086	0.00018	0.00093	0.86	0.000092	0.0000062	0.0000049	0.00005	0.00012	0.00063	0.0015	0.00047	0.00024
-3	September	0.00021	2.6	0.013	0.00000087	0.00023	0.0012	0.99	0.00011	0.000012	0.0000043	0.000048	0.00011	0.00074	0.0014	0.00041	0.00037
-3	October	0.00015	2.9	0.013	0.00000087	0.00033	0.0016	1.1	0.000093	0.000026	0.0000069	0.000049	0.00014	0.00097	0.002	0.00053	0.00032
-3	November	0.0001	2.9	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000016	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00032
-3	December	0.0001	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-2	January	0.0001	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00035
-2	February	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00045
-2	March	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000051	0.00012	0.00044	0.002	0.00079	0.00044
-2	April	0.000062	3.0	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00013	0.00044	0.002	0.00079	0.00049
-2	May	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.000052	0.0001	0.00065	0.0015	0.00026	0.0002
-2	June	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.000052	0.0001	0.00065	0.0015	0.00026	0.00019
-2	July	0.00011	2.7	0.014	0.00000088	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000051	0.00011	0.00079	0.0016	0.00048	0.00025
-2	August	0.00011	2.3	0.015	0.00000087	0.00019	0.00093	0.87	0.000094	0.0000062	0.0000049	0.000052	0.00012	0.00063	0.0016	0.00047	0.00027

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00021	2.6	0.013	0.00000088	0.00023	0.0012	0.99	0.00011	0.000012	0.0000043	0.00005	0.00011	0.00074	0.0014	0.00041	0.0004
-2	October	0.00015	2.9	0.013	0.00000088	0.00033	0.0016	1.1	0.000093	0.000026	0.0000069	0.00005	0.00014	0.00097	0.002	0.00053	0.00033
-2	November	0.0001	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000016	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-2	December	0.0001	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-1	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00033
-1	February	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.002	0.00079	0.00042
-1	March	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
-1	April	0.000062	3.0	0.011	0.00000073	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.002	0.00079	0.00041
-1	May	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-1	June	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-1	July	0.00011	2.7	0.014	0.0000009	0.00024	0.0012	1	0.00012	0.0000066	0.000005	0.000057	0.00011	0.00079	0.0016	0.00048	0.00035
-1	August	0.00011	2.3	0.014	0.00000089	0.0002	0.00093	0.87	0.000098	0.0000064	0.000005	0.000057	0.00012	0.00063	0.0016	0.00047	0.00036
-1	September	0.00021	2.6	0.013	0.00000089	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000053	0.00011	0.00074	0.0014	0.00041	0.00045
-1	October	0.00015	2.9	0.013	0.00000089	0.00034	0.0016	1.1	0.000096	0.000026	0.000007	0.000053	0.00014	0.00097	0.002	0.00052	0.00038
-1	November	0.0001	2.8	0.0086	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00032
-1	December	0.0001	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
1	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00032
1	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00042
1	March	0.000061	3.0	0.011	0.00000073	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00013	0.00044	0.002	0.00079	0.00048
1	April	0.000062	3.0	0.011	0.00000084	0.00035	0.0015	1.2	0.00012	0.000019	0.000011	0.000077	0.00013	0.00044	0.002	0.00078	0.00097
1	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000063	0.0000095	0.000071	0.00011	0.00065	0.0015	0.00026	0.00058
1	June	0.00013	2.7	0.011	0.0000014	0.00023	0.0013	1	0.00011	0.0000062	0.0000075	0.000066	0.00011	0.00065	0.0015	0.00026	0.00048
1	July	0.00011	2.7	0.014	0.00000094	0.00026	0.0012	1	0.00013	0.0000069	0.0000052	0.000066	0.00011	0.00079	0.0016	0.00047	0.00053
1	August	0.00011	2.3	0.014	0.00000097	0.00023	0.00094	0.9	0.00011	0.0000069	0.000005	0.000074	0.00013	0.00063	0.0016	0.00046	0.00067
1	September	0.00021	2.6	0.013	0.00000098	0.00028	0.0012	1	0.00013	0.000013	0.0000044	0.000073	0.00012	0.00074	0.0014	0.00041	0.00082
1	October	0.00015	2.9	0.013	0.00000096	0.00037	0.0016	1.1	0.00011	0.000027	0.000007	0.000069	0.00014	0.00097	0.002	0.00052	0.00067
1	November	0.0001	2.8	0.0086	0.00000088	0.00022	0.0014	1.1	0.00012	0.000016	0.000005	0.000053	0.00014	0.00058	0.0015	0.00071	0.00038
1	December	0.0001	2.8	0.0086	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000053	0.00014	0.00058	0.0015	0.00071	0.00037
2	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
2	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00042
2	March	0.00006	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.0004
2	April	0.000062	3.0	0.011	0.00000089	0.00036	0.0015	1.2	0.00013	0.00002	0.0000093	0.0001	0.00014	0.00044	0.0021	0.00078	0.00093
2	May	0.00013	2.7	0.011	0.0000015	0.00029	0.0013	1	0.00013	0.0000065	0.000013	0.000091	0.00011	0.00065	0.0016	0.00026	0.00059
2	June	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000064	0.0000095	0.000083	0.00011	0.00065	0.0015	0.00026	0.00049
2	July	0.00011	2.7	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000072	0.0000062	0.000084	0.00011	0.00079	0.0016	0.00047	0.00053
2	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000072	0.0000051	0.000096	0.00013	0.00063	0.0016	0.00046	0.00064
2	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.0001	0.00012	0.00075	0.0014	0.00041	0.00082
2	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.000099	0.00015	0.00098	0.002	0.00052	0.00074
2	November	0.0001	2.8	0.0086	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000059	0.00014	0.00058	0.0015	0.00071	0.00039
2	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00045
3	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00034
3	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00043	0.002	0.00079	0.00043
3	March	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000052	0.00012	0.00043	0.002	0.00079	0.00043
3	April	0.000063	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00014	0.00002	0.00001	0.00011	0.00014	0.00044	0.0021	0.00078	0.00096
3	May	0.00013	2.7	0.011	0.0000015	0.00029	0.0013	1	0.00013	0.0000067	0.000013	0.000097	0.00011	0.00065	0.0016	0.00026	0.00061
3	June	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000065	0.0000097	0.000087	0.00011	0.00065	0.0015	0.00026	0.0005
3	July	0.00011	2.7	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000058	0.000089	0.00011	0.00079	0.0016	0.00047	0.00054
3	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000073	0.0000051	0.0001	0.00013	0.00063	0.0016	0.00046	0.00065
3	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00083
3	October	0.00015	2.9	0.013	0.0000011	0.0004	0.0016	1.1	0.00013	0.000027	0.0000071	0.00011	0.00015	0.00098	0.002	0.00052	0.00079
3	November	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000064	0.00014	0.00058	0.0015	0.00071	0.00043
3	December	0.0001	2.9	0.0086	0.00000089	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000059	0.00014	0.00058	0.0015	0.00071	0.00039
4	January	0.0001	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00034
4	February	0.000061	3.0	0.011	0.00000077	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000065	0.00013	0.00044	0.002	0.00079	0.00054
4	March	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00012	0.00043	0.002	0.00079	0.00044
4	April	0.000064	3.0	0.011	0.00000097	0.00036	0.0015	1.2	0.00014	0.00002	0.0000084	0.00012	0.00014	0.00045	0.0021	0.00078	0.00098

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00013	2.7	0.011	0.0000015	0.00028	0.0013	1.1	0.00013	0.000007	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00062
4	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000068	0.000012	0.000092	0.00011	0.00065	0.0015	0.00026	0.00055
4	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000076	0.0000058	0.000093	0.00012	0.0008	0.0016	0.00047	0.00054
4	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000078	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00068
4	September	0.00021	2.6	0.013	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00083
4	October	0.00015	2.9	0.013	0.0000011	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.002	0.00052	0.0008
4	November	0.0001	2.9	0.0086	0.00000096	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000076	0.00014	0.00058	0.0015	0.00071	0.00051
4	December	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000064	0.00014	0.00058	0.0015	0.00071	0.00042
5	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000063	0.00014	0.00058	0.0015	0.00071	0.00043
5	February	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00012	0.000019	0.0000039	0.000068	0.00013	0.00044	0.002	0.00079	0.00057
5	March	0.00006	3.0	0.011	0.00000073	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000054	0.00013	0.00043	0.002	0.00079	0.00045
5	April	0.000065	3.0	0.011	0.000001	0.00036	0.0015	1.2	0.00014	0.000021	0.0000083	0.00012	0.00014	0.00045	0.0021	0.00078	0.001
5	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000071	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00062
5	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000069	0.000012	0.000091	0.00011	0.00065	0.0016	0.00026	0.00055
5	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000077	0.0000062	0.000093	0.00012	0.0008	0.0016	0.00047	0.00056
5	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.000008	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00069
5	September	0.00021	2.6	0.013	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00084
5	October	0.00016	2.9	0.013	0.0000011	0.00041	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.002	0.00052	0.00081
5	November	0.0001	2.9	0.0086	0.00000099	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000079	0.00014	0.00058	0.0015	0.00071	0.00054
5	December	0.0001	2.9	0.0086	0.00000095	0.00024	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.00048
6	January	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000064	0.00014	0.00059	0.0015	0.00071	0.00045
6	February	0.000062	3.0	0.011	0.00000083	0.00028	0.0015	1.2	0.00012	0.00002	0.0000039	0.000072	0.00013	0.00044	0.002	0.00079	0.00062
6	March	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000064	0.00013	0.00044	0.002	0.00079	0.00054
6	April	0.000065	3.0	0.011	0.000001	0.00036	0.0015	1.2	0.00014	0.000021	0.0000085	0.00012	0.00014	0.00045	0.0021	0.00078	0.001
6	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000073	0.000012	0.000097	0.00011	0.00065	0.0016	0.00026	0.00063
6	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.000007	0.000011	0.000088	0.00011	0.00065	0.0016	0.00026	0.00055
6	July	0.00011	2.7	0.014	0.0000011	0.00028	0.0012	1	0.00014	0.0000079	0.0000063	0.00009	0.00012	0.0008	0.0016	0.00047	0.00057
6	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000082	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00069
6	September	0.00022	2.6	0.013	0.0000012	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00085
6	October	0.00016	2.9	0.013	0.0000012	0.00041	0.0016	1.2	0.00013	0.000028	0.0000072	0.00011	0.00015	0.00098	0.002	0.00052	0.00081
6	November	0.0001	2.9	0.0086	0.0000011	0.00026	0.0014	1.2	0.00014	0.000017	0.0000052	0.000087	0.00014	0.00059	0.0015	0.00071	0.00062
6	December	0.0001	2.9	0.0086	0.00000096	0.00024	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.0005
7	January	0.0001	2.9	0.009	0.00000095	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000066	0.00014	0.00059	0.0015	0.00071	0.00047
7	February	0.000063	3.0	0.011	0.00000088	0.00029	0.0015	1.2	0.00013	0.00002	0.0000039	0.000084	0.00013	0.00044	0.0021	0.00079	0.00071
7	March	0.000061	3.0	0.011	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.00007	0.00013	0.00044	0.002	0.00079	0.00058
7	April	0.000066	3.0	0.011	0.0000011	0.00036	0.0015	1.2	0.00014	0.000021	0.000009	0.00012	0.00014	0.00045	0.0021	0.00078	0.0011
7	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000073	0.000012	0.000099	0.00011	0.00065	0.0016	0.00026	0.00063
7	June	0.00013	2.7	0.011	0.0000016	0.00026	0.0013	1	0.00013	0.000007	0.000011	0.00009	0.00011	0.00065	0.0016	0.00026	0.00056
7	July	0.00011	2.7	0.014	0.0000011	0.00027	0.0012	1	0.00014	0.0000079	0.0000059	0.000092	0.00012	0.0008	0.0016	0.00047	0.00056
7	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000083	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.0007
7	September	0.00022	2.6	0.013	0.0000012	0.00029	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00085
7	October	0.00016	2.9	0.013	0.0000012	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00011	0.00015	0.00098	0.002	0.00052	0.00082
7	November	0.0001	2.9	0.0086	0.000001	0.00025	0.0014	1.2	0.00014	0.000017	0.0000052	0.000087	0.00014	0.00059	0.0015	0.00071	0.00062
7	December	0.0001	2.9	0.0086	0.00000097	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000073	0.00014	0.00058	0.0015	0.00071	0.00051
8	January	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000067	0.00014	0.00059	0.0015	0.00071	0.00047
8	February	0.000061	3.0	0.011	0.00000081	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000072	0.00013	0.00044	0.002	0.00079	0.00061
8	March	0.000062	3.0	0.011	0.00000086	0.00029	0.0015	1.2	0.00012	0.00002	0.0000039	0.000086	0.00013	0.00044	0.0021	0.00079	0.00071
8	April	0.000065	3.0	0.011	0.000001	0.00039	0.0015	1.2	0.00015	0.000021	0.000013	0.00012	0.00014	0.00045	0.0021	0.00078	0.0011
8	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1	0.00013	0.0000071	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00064
8	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00013	0.0000069	0.000011	0.000091	0.00011	0.00065	0.0015	0.00026	0.00056
8	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000077	0.000006	0.000093	0.00012	0.0008	0.0016	0.00047	0.00057
8	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.000008	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00071
8	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
8	October	0.00016	2.9	0.013	0.0000011	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.002	0.00052	0.00083
8	November	0.0001	2.9	0.0086	0.00000099	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.00008	0.00014	0.00058	0.0015	0.00071	0.00056
8	December	0.0001	2.9	0.0086	0.00000094	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.00049

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000069	0.00014	0.00059	0.0015	0.00071	0.00049
9	February	0.000061	3.0	0.011	0.0000008	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000076	0.00013	0.00044	0.002	0.00079	0.00063
9	March	0.000062	3.0	0.011	0.00000082	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000086	0.00013	0.00044	0.002	0.00079	0.0007
9	April	0.000063	3.0	0.011	0.00000096	0.0004	0.0015	1.2	0.00015	0.00002	0.000016	0.00013	0.00014	0.00045	0.0021	0.00078	0.0012
9	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000067	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00064
9	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00013	0.0000066	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
9	July	0.00011	2.8	0.014	0.000001	0.00027	0.0012	1	0.00014	0.0000074	0.0000062	0.000095	0.00011	0.0008	0.0016	0.00047	0.00058
9	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.93	0.00012	0.0000075	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00071
9	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
9	October	0.00015	2.9	0.013	0.0000011	0.0004	0.0016	1.1	0.00013	0.000027	0.0000071	0.00012	0.00015	0.00098	0.002	0.00052	0.00083
9	November	0.0001	2.9	0.0086	0.00000094	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000074	0.00014	0.00058	0.0015	0.00071	0.0005
9	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00044
10	January	0.0001	2.9	0.009	0.00000093	0.00027	0.0014	1.1	0.00014	0.000016	0.00001	0.000073	0.00015	0.00058	0.0015	0.00071	0.00057
10	February	0.00006	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000042	0.000073	0.00013	0.00044	0.002	0.00079	0.00062
10	March	0.000061	3.0	0.011	0.0000008	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000087	0.00013	0.00044	0.002	0.00079	0.00071
10	April	0.000062	3.0	0.011	0.00000091	0.0004	0.0015	1.2	0.00014	0.00002	0.000015	0.00013	0.00014	0.00044	0.0021	0.00078	0.0012
10	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.000099	0.00011	0.00065	0.0015	0.00026	0.00062
10	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
10	July	0.00011	2.8	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000072	0.000006	0.000095	0.00011	0.00079	0.0016	0.00047	0.00057
10	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000073	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00071
10	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
10	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.002	0.00052	0.00083
10	November	0.0001	2.9	0.0086	0.00000093	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000075	0.00014	0.00058	0.0015	0.00071	0.0005
10	December	0.0001	2.9	0.0086	0.00000089	0.00024	0.0014	1.1	0.00013	0.000016	0.0000063	0.000066	0.00014	0.00058	0.0015	0.00071	0.00046
11	January	0.0001	2.9	0.009	0.00000092	0.00026	0.0014	1.1	0.00014	0.000016	0.0000084	0.000071	0.00015	0.00058	0.0015	0.00071	0.00055
11	February	0.00006	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000041	0.000074	0.00013	0.00044	0.002	0.00079	0.00062
11	March	0.000061	3.0	0.011	0.0000008	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000089	0.00013	0.00044	0.002	0.00079	0.00072
11	April	0.000062	3.0	0.011	0.00000091	0.00041	0.0015	1.2	0.00014	0.00002	0.000016	0.00013	0.00014	0.00044	0.0021	0.00078	0.0012
11	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.0001	0.00011	0.00065	0.0015	0.00026	0.00062
11	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000094	0.00011	0.00065	0.0015	0.00026	0.00056
11	July	0.00011	2.8	0.014	0.00000097	0.00027	0.0012	1	0.00014	0.0000071	0.0000057	0.000096	0.00011	0.00079	0.0016	0.00047	0.00057
11	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000072	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00071
11	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
11	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.002	0.00052	0.00083
11	November	0.0001	2.9	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000075	0.00014	0.00058	0.0015	0.00071	0.00051
11	December	0.0001	2.9	0.0086	0.0000009	0.00026	0.0014	1.1	0.00013	0.000016	0.0000089	0.000068	0.00014	0.00058	0.0015	0.00071	0.0005
12	January	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000069	0.00014	0.00058	0.0015	0.00071	0.00048
12	February	0.00006	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000038	0.000075	0.00013	0.00044	0.002	0.00079	0.00063
12	March	0.000061	3.0	0.011	0.00000082	0.00033	0.0015	1.2	0.00012	0.000019	0.0000099	0.000092	0.00013	0.00044	0.002	0.00079	0.00083
12	April	0.000062	3.0	0.011	0.0000009	0.00039	0.0015	1.2	0.00013	0.00002	0.000014	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
12	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000065	0.000012	0.0001	0.00011	0.00065	0.0015	0.00026	0.00064
12	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
12	July	0.00011	2.8	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000071	0.000006	0.000096	0.00011	0.00079	0.0016	0.00047	0.00057
12	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000072	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00071
12	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
12	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.002	0.00052	0.0008
12	November	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000069	0.00014	0.00058	0.0015	0.00071	0.00046
12	December	0.0001	2.9	0.0086	0.00000091	0.00026	0.0014	1.1	0.00013	0.000016	0.0000088	0.000072	0.00014	0.00058	0.0015	0.00071	0.00055
13	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000058	0.000069	0.00014	0.00058	0.0015	0.00071	0.00049
13	February	0.00006	3.0	0.011	0.00000078	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000075	0.00013	0.00044	0.002	0.00079	0.00062
13	March	0.000061	3.0	0.011	0.00000079	0.00029	0.0015	1.2	0.00012	0.000019	0.0000059	0.000083	0.00013	0.00044	0.002	0.00079	0.00069
13	April	0.000062	3.0	0.011	0.00000093	0.0004	0.0015	1.2	0.00014	0.00002	0.000016	0.00013	0.00014	0.00045	0.0021	0.00078	0.0012
13	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.0001	0.00011	0.00065	0.0015	0.00026	0.00062
13	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000094	0.00011	0.00065	0.0015	0.00026	0.00056
13	July	0.00011	2.8	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000072	0.0000062	0.000097	0.00011	0.0008	0.0016	0.00047	0.00058
13	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000073	0.0000052	0.00012	0.00013	0.00063	0.0016	0.00046	0.00071

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
13	October	0.00015	2.9	0.013	0.000001	0.00039	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.002	0.00052	0.00082
13	November	0.0001	2.9	0.0086	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00042
13	December	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000072	0.00014	0.00058	0.0015	0.00071	0.00048
14	January	0.0001	2.9	0.009	0.00000094	0.00026	0.0014	1.1	0.00014	0.000016	0.0000089	0.000076	0.00015	0.00058	0.0015	0.00071	0.00061
14	February	0.00006	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00012	0.000019	0.0000041	0.000075	0.00013	0.00044	0.002	0.00079	0.00063
14	March	0.00006	3.0	0.011	0.00000077	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000074	0.00013	0.00044	0.002	0.00079	0.0006
14	April	0.000062	3.0	0.011	0.0000009	0.00036	0.0015	1.2	0.00013	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
14	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000065	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00065
14	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000098	0.000093	0.00011	0.00065	0.0015	0.00026	0.00057
14	July	0.00011	2.8	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000072	0.0000065	0.000096	0.00011	0.0008	0.0016	0.00047	0.00059
14	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000073	0.0000077	0.00012	0.00013	0.00063	0.0016	0.00046	0.00078
14	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.000009	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
14	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.002	0.00052	0.00084
14	November	0.0001	2.9	0.0086	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000052	0.000066	0.00014	0.00058	0.0015	0.00071	0.00044
14	December	0.0001	2.9	0.0086	0.0000009	0.00025	0.0014	1.1	0.00013	0.000016	0.0000082	0.000068	0.00014	0.00058	0.0015	0.00071	0.00051
15	January	0.0001	2.9	0.009	0.00000092	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000071	0.00014	0.00059	0.0015	0.00071	0.00051
15	February	0.000061	3.0	0.011	0.00000078	0.0003	0.0015	1.2	0.00012	0.000019	0.0000084	0.000072	0.00013	0.00044	0.002	0.00079	0.00068
15	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000075	0.00013	0.00044	0.002	0.00079	0.00063
15	April	0.000062	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.0012
15	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.000098	0.00011	0.00065	0.0015	0.00026	0.00064
15	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.00009	0.00011	0.00065	0.0015	0.00026	0.00057
15	July	0.00011	2.8	0.014	0.00000098	0.00026	0.0012	1	0.00014	0.0000072	0.0000056	0.000093	0.00011	0.00079	0.0016	0.00047	0.00057
15	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000076	0.00011	0.00013	0.00063	0.0016	0.00046	0.00077
15	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000089	0.00011	0.00012	0.00075	0.0014	0.00041	0.00098
15	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.002	0.00052	0.00086
15	November	0.0001	2.9	0.0086	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.0000052	0.000064	0.00014	0.00058	0.0015	0.00071	0.00043
15	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000064	0.000066	0.00014	0.00058	0.0015	0.00071	0.00048
16	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000075	0.00007	0.00014	0.00058	0.0015	0.00071	0.00055
16	February	0.00006	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00012	0.000019	0.000004	0.000075	0.00013	0.00044	0.002	0.00079	0.00064
16	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000089	0.000078	0.00013	0.00044	0.002	0.00079	0.00073
16	April	0.000062	3.0	0.011	0.0000009	0.00035	0.0015	1.2	0.00013	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
16	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00065
16	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
16	July	0.00011	2.8	0.014	0.00000097	0.00026	0.0012	1	0.00014	0.0000072	0.0000058	0.000094	0.00011	0.00079	0.0016	0.00047	0.00058
16	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.91	0.00012	0.0000073	0.0000078	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
16	September	0.00021	2.6	0.013	0.000001	0.0003	0.0012	1	0.00014	0.000013	0.0000092	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
16	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00097	0.002	0.00052	0.00088
16	November	0.0001	2.9	0.0086	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000053	0.000066	0.00014	0.00058	0.0015	0.00071	0.00045
16	December	0.0001	2.9	0.0086	0.00000091	0.00025	0.0014	1.1	0.00013	0.000016	0.0000084	0.000069	0.00014	0.00058	0.0015	0.00071	0.00052
17	January	0.0001	2.9	0.009	0.00000092	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000069	0.00014	0.00058	0.0015	0.00071	0.0005
17	February	0.000061	3.0	0.011	0.0000008	0.00031	0.0015	1.2	0.00012	0.000019	0.0000092	0.00008	0.00013	0.00044	0.002	0.00079	0.00075
17	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000076	0.00013	0.00044	0.002	0.00079	0.00063
17	April	0.000062	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00013	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.0012
17	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000065	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00065
17	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000095	0.000092	0.00011	0.00065	0.0015	0.00026	0.00057
17	July	0.00011	2.8	0.014	0.00000098	0.00026	0.0012	1	0.00014	0.0000072	0.0000059	0.000095	0.00011	0.00079	0.0016	0.00047	0.00058
17	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.91	0.00012	0.0000073	0.0000078	0.00012	0.00013	0.00063	0.0016	0.00046	0.00078
17	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000093	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
17	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00097	0.002	0.00052	0.00088
17	November	0.0001	2.9	0.0086	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000053	0.000067	0.00014	0.00058	0.0015	0.00071	0.00045
17	December	0.0001	2.9	0.0086	0.00000091	0.00024	0.0014	1.1	0.00013	0.000016	0.0000081	0.000068	0.00014	0.00058	0.0015	0.00071	0.00052
18	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.000006	0.00007	0.00014	0.00058	0.0015	0.00071	0.00052
18	February	0.000061	3.0	0.011	0.0000008	0.0003	0.0015	1.2	0.00012	0.000019	0.000008	0.000078	0.00013	0.00044	0.002	0.00079	0.00074
18	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000075	0.00013	0.00044	0.002	0.00079	0.00063
18	April	0.000062	3.0	0.011	0.00000092	0.00036	0.0015	1.2	0.00014	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.0012

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
18	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
18	July	0.00011	2.7	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000073	0.0000067	0.000095	0.00011	0.00079	0.0016	0.00047	0.0006
18	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000075	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
18	September	0.00021	2.6	0.013	0.000001	0.0003	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
18	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.002	0.00052	0.00085
18	November	0.0001	2.9	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000078	0.000069	0.00014	0.00058	0.0015	0.00071	0.00052
18	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000063	0.000067	0.00014	0.00058	0.0015	0.00071	0.00048
19	January	0.0001	2.9	0.009	0.00000094	0.00025	0.0014	1.1	0.00014	0.000016	0.000008	0.000073	0.00015	0.00058	0.0015	0.00071	0.00058
19	February	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00012	0.000019	0.0000044	0.000075	0.00013	0.00044	0.002	0.00079	0.00064
19	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000084	0.000078	0.00013	0.00044	0.002	0.00079	0.00072
19	April	0.000062	3.0	0.011	0.00000091	0.00035	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
19	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
19	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000092	0.00011	0.00065	0.0015	0.00026	0.00057
19	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000066	0.000095	0.00011	0.0008	0.0016	0.00047	0.0006
19	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000074	0.0000074	0.00011	0.00013	0.00063	0.0016	0.00046	0.00077
19	September	0.00021	2.6	0.013	0.0000011	0.0003	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
19	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.002	0.00052	0.00087
19	November	0.0001	2.8	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000078	0.000067	0.00014	0.00058	0.0015	0.00071	0.0005
19	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000058	0.000067	0.00014	0.00058	0.0015	0.00071	0.00047
20	January	0.0001	2.9	0.009	0.00000094	0.00025	0.0014	1.1	0.00014	0.000016	0.0000083	0.000073	0.00015	0.00058	0.0015	0.00071	0.00059
20	February	0.000061	3.0	0.011	0.00000079	0.00028	0.0015	1.2	0.00012	0.000019	0.0000046	0.000077	0.00013	0.00044	0.002	0.00079	0.00066
20	March	0.000061	3.0	0.011	0.0000008	0.0003	0.0015	1.2	0.00012	0.000019	0.0000084	0.000078	0.00013	0.00044	0.002	0.00079	0.00072
20	April	0.000062	3.0	0.011	0.00000092	0.00035	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
20	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
20	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000092	0.00011	0.00065	0.0015	0.00026	0.00057
20	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000063	0.000095	0.00011	0.0008	0.0016	0.00047	0.00059
20	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000075	0.0000076	0.00012	0.00013	0.00063	0.0016	0.00046	0.00078
20	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
20	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00098	0.002	0.00052	0.0009
20	November	0.0001	2.8	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000081	0.000067	0.00014	0.00058	0.0015	0.00071	0.00049
20	December	0.0001	2.9	0.0086	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000052	0.000067	0.00014	0.00058	0.0015	0.00071	0.00046
21	January	0.0001	2.9	0.009	0.00000094	0.00026	0.0014	1.1	0.00014	0.000016	0.0000091	0.000073	0.00015	0.00058	0.0015	0.00071	0.00059
21	February	0.000061	3.0	0.011	0.00000079	0.00028	0.0015	1.2	0.00012	0.000019	0.0000041	0.000077	0.00013	0.00044	0.002	0.00079	0.00065
21	March	0.000061	3.0	0.011	0.0000008	0.00031	0.0015	1.2	0.00012	0.000019	0.0000088	0.00008	0.00013	0.00044	0.0021	0.00079	0.00075
21	April	0.000062	3.0	0.011	0.00000092	0.00035	0.0015	1.2	0.00013	0.00002	0.000011	0.00012	0.00014	0.00044	0.0021	0.00078	0.0011
21	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
21	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
21	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000062	0.000095	0.00011	0.0008	0.0016	0.00047	0.00059
21	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000077	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
21	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000089	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
21	October	0.00015	2.9	0.013	0.000001	0.00042	0.0016	1.1	0.00013	0.000027	0.000013	0.00011	0.00015	0.00098	0.002	0.00052	0.00091
21	November	0.0001	2.8	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000072	0.000067	0.00014	0.00058	0.0015	0.00071	0.0005
21	December	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000061	0.000068	0.00014	0.00058	0.0015	0.00071	0.00049
22	January	0.0001	2.9	0.009	0.00000095	0.00026	0.0014	1.1	0.00014	0.000016	0.0000089	0.000076	0.00015	0.00058	0.0015	0.00071	0.00062
22	February	0.00006	3.0	0.011	0.00000076	0.00027	0.0015	1.2	0.00011	0.000019	0.000004	0.000066	0.00013	0.00044	0.002	0.00079	0.00056
22	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000083	0.000077	0.00013	0.00044	0.0021	0.00079	0.00071
22	April	0.000063	3.0	0.011	0.00000094	0.00037	0.0015	1.2	0.00014	0.00002	0.000014	0.00012	0.00014	0.00044	0.0021	0.00078	0.0012
22	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000067	0.00001	0.000099	0.00011	0.00065	0.0016	0.00026	0.00064
22	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000092	0.00011	0.00065	0.0015	0.00026	0.00057
22	July	0.00011	2.8	0.014	0.00000099	0.00026	0.0012	1	0.00014	0.0000074	0.000006	0.000095	0.00011	0.0008	0.0016	0.00047	0.00058
22	August	0.00011	2.3	0.014	0.000001	0.00025	0.00095	0.92	0.00012	0.0000075	0.000008	0.00012	0.00013	0.00063	0.0016	0.00046	0.00079
22	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1	0.00014	0.000013	0.0000094	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
22	October	0.00015	2.9	0.013	0.0000011	0.00041	0.0016	1.1	0.00013	0.000027	0.000012	0.00012	0.00015	0.00098	0.002	0.00052	0.00091
22	November	0.0001	2.9	0.0086	0.00000092	0.00023	0.0014	1.1	0.00013	0.000016	0.0000058	0.000068	0.00014	0.00058	0.0015	0.00071	0.00047
22	December	0.0001	2.8	0.0086	0.00000089	0.00024	0.0014	1.1	0.00013	0.000016	0.0000083	0.000061	0.00014	0.00058	0.0015	0.00071	0.00044

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00014	0.000016	0.0000053	0.000071	0.00014	0.00059	0.0015	0.00071	0.00052
23	February	0.000061	3.0	0.011	0.00000081	0.00031	0.0015	1.2	0.00012	0.000019	0.0000086	0.000079	0.00014	0.00044	0.0021	0.00079	0.00076
23	March	0.000061	3.0	0.011	0.0000008	0.00028	0.0015	1.2	0.00011	0.000019	0.0000042	0.000077	0.00013	0.00044	0.002	0.00079	0.00065
23	April	0.000063	3.0	0.011	0.00000094	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00045	0.0021	0.00078	0.0012
23	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0014	1	0.00013	0.0000066	0.00001	0.000094	0.00011	0.00065	0.0016	0.00026	0.00062
23	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000089	0.00011	0.00065	0.0015	0.00026	0.00057
23	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000074	0.0000073	0.000093	0.00012	0.0008	0.0016	0.00047	0.00061
23	August	0.00011	2.3	0.014	0.000001	0.00025	0.00095	0.92	0.00013	0.0000075	0.0000077	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
23	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000088	0.00011	0.00012	0.00075	0.0014	0.00041	0.00098
23	October	0.00015	2.9	0.013	0.0000011	0.00042	0.0017	1.1	0.00013	0.000027	0.000012	0.00011	0.00015	0.00098	0.002	0.00052	0.00091
23	November	0.0001	2.9	0.0086	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000067	0.000067	0.00014	0.00058	0.0015	0.00071	0.00049
23	December	0.0001	2.8	0.0086	0.00000088	0.00023	0.0014	1.1	0.00013	0.000016	0.0000067	0.000057	0.00014	0.00058	0.0015	0.00071	0.00041
24	January	0.0001	2.9	0.009	0.00000094	0.00025	0.0014	1.1	0.00014	0.000016	0.0000073	0.000073	0.00015	0.00059	0.0015	0.00071	0.00057
24	February	0.000061	3.0	0.011	0.00000081	0.00029	0.0015	1.2	0.00012	0.000019	0.0000054	0.00008	0.00013	0.00044	0.0021	0.00079	0.0007
24	March	0.000061	3.0	0.011	0.00000081	0.0003	0.0015	1.2	0.00012	0.000019	0.0000075	0.000081	0.00013	0.00044	0.0021	0.00079	0.00075
24	April	0.000063	3.0	0.011	0.00000094	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00045	0.0021	0.00078	0.0012
24	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0014	1	0.00013	0.0000067	0.00001	0.000097	0.00011	0.00065	0.0016	0.00026	0.00062
24	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0014	1	0.00012	0.0000066	0.0000097	0.000092	0.00011	0.00065	0.0016	0.00026	0.00057
24	July	0.00011	2.8	0.014	0.000001	0.00027	0.0012	1	0.00014	0.0000074	0.0000068	0.000095	0.00012	0.0008	0.0016	0.00047	0.0006
24	August	0.00011	2.3	0.014	0.000001	0.00025	0.00097	0.92	0.00013	0.0000076	0.0000076	0.00012	0.00013	0.00064	0.0016	0.00046	0.00078
24	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
24	October	0.00015	2.9	0.013	0.0000011	0.00042	0.0017	1.1	0.00013	0.000027	0.000013	0.00011	0.00015	0.00098	0.002	0.00052	0.00092
24	November	0.0001	2.8	0.0086	0.00000093	0.00025	0.0014	1.1	0.00013	0.000016	0.0000081	0.000069	0.00014	0.00058	0.0015	0.00071	0.00052
24	December	0.0001	2.9	0.0086	0.00000088	0.00022	0.0014	1.1	0.00013	0.000016	0.0000051	0.000057	0.00014	0.00058	0.0015	0.00071	0.00038
25	January	0.0001	2.9	0.009	0.00000095	0.00024	0.0015	1.1	0.00014	0.000016	0.0000081	0.000075	0.00015	0.00059	0.0016	0.00071	0.00064
25	February	0.000061	3.0	0.011	0.00000079	0.00027	0.0016	1.2	0.00012	0.000019	0.0000041	0.000075	0.00013	0.00044	0.0021	0.00079	0.00065
25	March	0.000061	3.0	0.011	0.00000078	0.00028	0.0016	1.2	0.00011	0.000019	0.0000075	0.00007	0.00013	0.00044	0.0021	0.00079	0.00066
25	April	0.000064	3.0	0.011	0.0000009	0.00031	0.0018	1.2	0.00013	0.00002	0.0000099	0.00011	0.00014	0.00045	0.0022	0.00078	0.0011
25	May	0.00013	2.7	0.011	0.0000015	0.00022	0.0015	1	0.00012	0.0000067	0.0000088	0.000097	0.00011	0.00065	0.0017	0.00026	0.00065
25	June	0.00013	2.7	0.011	0.0000015	0.00022	0.0015	1	0.00012	0.0000066	0.0000085	0.000089	0.00011	0.00065	0.0016	0.00026	0.00057
25	July	0.00011	2.7	0.014	0.000001	0.00027	0.0014	1	0.00014	0.0000074	0.000009	0.000094	0.00012	0.0008	0.0017	0.00047	0.0007
25	August	0.00011	2.3	0.014	0.000001	0.00024	0.0012	0.92	0.00012	0.0000076	0.00001	0.00011	0.00014	0.00064	0.0017	0.00046	0.00091
25	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0015	1.1	0.00014	0.000013	0.00001	0.00011	0.00013	0.00075	0.0016	0.00041	0.0011
25	October	0.00015	2.9	0.013	0.000001	0.00039	0.0018	1.1	0.00012	0.000027	0.000013	0.0001	0.00015	0.00098	0.0021	0.00052	0.0009
25	November	0.0001	2.8	0.0086	0.00000093	0.00025	0.0014	1.1	0.00013	0.000016	0.000011	0.000067	0.00015	0.00058	0.0016	0.00071	0.00053
25	December	0.0001	2.9	0.0086	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000066	0.000069	0.00014	0.00058	0.0016	0.00071	0.00052
26	January	0.0001	2.9	0.009	0.00000091	0.00022	0.0015	1.1	0.00013	0.000016	0.000007	0.000062	0.00015	0.00058	0.0016	0.00071	0.00052
26	February	0.000061	3.0	0.011	0.00000076	0.00026	0.0017	1.2	0.00011	0.000019	0.0000041	0.000063	0.00013	0.00044	0.0022	0.00079	0.00057
26	March	0.000063	3.0	0.011	0.0000008	0.00027	0.0018	1.2	0.00011	0.000019	0.0000061	0.000078	0.00013	0.00044	0.0023	0.00079	0.00079
26	April	0.000065	3.0	0.011	0.00000089	0.00029	0.0021	1.2	0.00012	0.00002	0.0000086	0.0001	0.00014	0.00045	0.0025	0.00078	0.0011
26	May	0.00013	2.7	0.011	0.0000015	0.0002	0.0018	1	0.00012	0.0000066	0.0000078	0.000092	0.00011	0.00066	0.0019	0.00026	0.00066
26	June	0.00013	2.7	0.011	0.0000015	0.0002	0.0017	1	0.00012	0.0000065	0.0000074	0.000085	0.00011	0.00066	0.0018	0.00026	0.00058
26	July	0.00011	2.7	0.014	0.00000099	0.00025	0.0017	1	0.00014	0.0000074	0.0000078	0.00009	0.00012	0.0008	0.0019	0.00047	0.00071
26	August	0.00011	2.3	0.015	0.000001	0.00022	0.0016	0.92	0.00012	0.0000075	0.0000088	0.00011	0.00014	0.00064	0.002	0.00046	0.00091
26	September	0.00022	2.6	0.013	0.000001	0.00026	0.0018	1	0.00013	0.000013	0.0000082	0.0001	0.00013	0.00075	0.0018	0.00041	0.001
26	October	0.00016	2.9	0.013	0.000001	0.00036	0.0021	1.1	0.00011	0.000027	0.000011	0.00009	0.00015	0.00098	0.0023	0.00052	0.00085
26	November	0.0001	2.8	0.0086	0.00000093	0.00023	0.0016	1.1	0.00013	0.000016	0.000009	0.000068	0.00015	0.00058	0.0017	0.00071	0.00058
26	December	0.0001	2.8	0.0086	0.0000009	0.00023	0.0015	1.1	0.00013	0.000016	0.0000098	0.00006	0.00015	0.00058	0.0016	0.00071	0.00049
27	January	0.000098	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000051	0.000049	0.00014	0.00058	0.0015	0.00071	0.00033
27	February	0.000055	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00043
27	March	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00042
27	April	0.000055	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
27	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
27	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
27	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
27	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
27	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00028
27	November	0.000096	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
27	December	0.000096	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
28	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
28	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00043
28	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00042
28	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
28	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
28	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
28	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
28	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021
28	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
28	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00028
28	November	0.000095	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
28	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
29	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
29	February	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00043
29	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00042
29	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
29	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
29	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
29	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
29	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021
29	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
29	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.002	0.00052	0.00028
29	November	0.000095	2.8	0.0086	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
29	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
30	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
30	February	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00043
30	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00042
30	April	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
30	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
30	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
30	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
30	August	0.0001	2.3	0.014	0.00000085	0.00019	0.00093	0.87	0.000092	0.0000061	0.000005	0.00005	0.00012	0.00063	0.0015	0.00047	0.00021
30	September	0.00021	2.6	0.013	0.00000088	0.00026	0.0012	1	0.00011	0.000012	0.0000043	0.000055	0.00012	0.00074	0.0013	0.00041	0.00035
30	October	0.00015	2.9	0.013	0.00000088	0.00037	0.0016	1.1	0.000096	0.000026	0.000007	0.000056	0.00014	0.00098	0.002	0.00052	0.00028
30	November	0.000095	2.8	0.0086	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00031
30	December	0.000095	2.8	0.0086	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
31	January	0.000096	2.9	0.0091	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00033
31	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00043	0.002	0.00079	0.00042
31	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
31	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.002	0.00078	0.00041
31	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
31	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
31	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.0002
31	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
31	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
31	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.002	0.00052	0.00028
31	November	0.000095	2.8	0.0086	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.0003
31	December	0.000095	2.8	0.0087	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
32	January	0.000096	2.9	0.0091	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00033
32	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00042
32	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
32	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.002	0.00078	0.00041

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
32	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
32	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.0002
32	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
32	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
32	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.002	0.00052	0.00028
32	November	0.000095	2.8	0.0086	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.0003
32	December	0.000095	2.8	0.0087	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
33	January	0.000096	2.9	0.0091	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00059	0.0015	0.00071	0.00033
33	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.002	0.00079	0.00042
33	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.002	0.00079	0.00041
33	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.002	0.00078	0.00041
33	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
33	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
33	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.0002
33	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
33	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
33	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.002	0.00052	0.00028
33	November	0.000095	2.8	0.0086	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.0003
33	December	0.000095	2.8	0.0087	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
34	January	0.000097	2.9	0.0093	0.00000091	0.00023	0.0013	1.1	0.00013	0.000016	0.000005	0.00005	0.00015	0.00059	0.0015	0.00071	0.00034
34	February	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
34	March	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
34	April	0.000053	2.9	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
34	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000056	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
34	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
34	July	0.00011	2.7	0.014	0.00000087	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.0002
34	August	0.0001	2.3	0.014	0.00000087	0.00018	0.00093	0.87	0.000092	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
34	September	0.00021	2.6	0.013	0.00000088	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000048	0.00011	0.00074	0.0013	0.00041	0.00034
34	October	0.00015	2.9	0.013	0.00000087	0.00033	0.0016	1.1	0.000092	0.000026	0.0000069	0.000048	0.00014	0.00097	0.002	0.00053	0.00027
34	November	0.000095	2.8	0.0086	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
34	December	0.000095	2.8	0.0086	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
35	January	0.000096	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
35	February	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.002	0.00079	0.00041
35	March	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
35	April	0.000053	2.9	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
35	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000056	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
35	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
35	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
35	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
35	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00074	0.0014	0.00042	0.00034
35	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00097	0.002	0.00053	0.00027
35	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
35	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
36	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
36	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
36	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
36	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
36	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
36	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
36	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
36	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
36	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
36	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
36	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
36	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
37	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
37	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
37	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
37	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
37	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
37	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
37	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
37	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
37	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
37	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
37	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
38	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
38	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
38	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
38	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
38	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
38	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
38	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
38	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
38	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
38	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
38	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
38	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
39	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
39	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
39	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
39	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
39	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
39	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
39	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
39	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
39	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
39	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
39	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
39	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
40	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
40	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
40	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
40	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
40	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
40	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
40	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
40	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
40	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
40	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
40	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
40	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
41	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
41	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
41	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
41	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
41	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
41	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
41	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
41	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
41	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
41	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
41	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
42	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
42	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
42	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
42	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
42	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
42	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
42	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
42	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
42	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
42	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
42	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
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43	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
43	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
43	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
43	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
43	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
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49	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
49	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
49	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
50	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
50	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
50	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
50	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
50	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
50	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
50	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
50	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
50	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
50	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
50	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
50	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
51	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
51	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
51	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
51	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
51	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
51	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
51	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
51	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
51	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
51	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
51	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
52	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
52	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
52	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
52	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
52	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
52	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
52	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
52	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
52	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
52	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
52	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
52	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
53	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
53	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
53	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
53	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
53	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
53	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
53	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
53	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
53	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
53	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
53	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
53	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
54	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
54	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
54	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
54	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
54	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
54	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
54	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
54	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
54	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
54	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
54	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
54	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
55	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
55	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
55	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
55	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
55	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
55	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
55	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
55	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
55	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
55	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
55	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
56	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
56	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
56	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
56	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
56	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
56	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
56	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
56	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
56	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
56	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
56	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
56	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
57	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
57	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
57	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
57	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
57	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
57	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
57	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
57	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
57	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
57	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
57	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
57	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
58	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
58	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
58	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
58	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
58	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
58	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
58	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
58	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
58	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
58	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
58	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
58	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
59	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
59	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
59	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
59	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
59	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
59	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
59	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
59	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
59	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
59	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
59	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
59	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
60	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
60	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
60	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
60	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
60	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
60	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
60	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
60	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
60	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
60	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
60	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
61	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
61	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
61	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
61	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
61	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
61	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
61	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
61	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
61	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
61	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
61	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
61	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
62	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
62	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
62	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
62	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
62	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
62	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
62	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
62	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
62	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
62	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
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62	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
63	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
63	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
63	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
63	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
63	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
63	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
63	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
63	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
63	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
63	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
63	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
63	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
64	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
64	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
64	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
64	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
64	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
64	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
64	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
64	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
64	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
64	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
64	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
64	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
65	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
65	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
65	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
65	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
65	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
65	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
65	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
65	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
65	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
65	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
65	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
66	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
66	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
66	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
66	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
66	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
66	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
66	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
66	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
66	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
66	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
66	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
66	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
67	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
67	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
67	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
67	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
67	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
67	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
67	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
67	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
67	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
67	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
67	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
67	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
68	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
68	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
68	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
68	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
68	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
68	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
68	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
68	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
68	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
68	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
68	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
68	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
69	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
69	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
69	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
69	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
69	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
69	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
69	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
69	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-2: Tabulated Receiver Water Quality Model Results, Base Case, Chukuni River (CHK-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
69	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
69	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
69	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003
70	January	0.000096	2.9	0.0091	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
70	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.00041
70	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.002	0.00079	0.0004
70	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.0004
70	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
70	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
70	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.0002
70	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
70	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
70	October	0.00015	2.9	0.013	0.00000091	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.002	0.00053	0.00027
70	November	0.000095	2.8	0.0087	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.0003
70	December	0.000095	2.8	0.0087	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.0003

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
1	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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1	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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3	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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5	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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5	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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6	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
6	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
6	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
7	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
7	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
7	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
8	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
8	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
8	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
10	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
10	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
10	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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10	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
11	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
11	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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11	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
12	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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13	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
13	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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13	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
18	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
18	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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21	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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29	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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29	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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30	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	February	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	March	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	April	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	March	0.0003	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
-2	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-2	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	March	0.0003	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
-1	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-1	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
1	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
1	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
2	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
2	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
3	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
3	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
4	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
4	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
5	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
5	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
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5	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
6	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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6	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
6	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
7	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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7	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
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8	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
8	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
9	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
9	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
10	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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10	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
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10	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
11	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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11	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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12	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
13	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
13	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
14	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
14	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
15	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
15	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
16	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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16	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
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17	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
17	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
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17	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
18	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
18	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
19	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
19	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
20	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
20	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
21	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
21	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
22	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
22	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
23	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
23	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
24	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
24	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
25	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
25	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
26	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
26	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	February	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	March	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	April	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
27	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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39	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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39	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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43	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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44	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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44	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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45	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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48	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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49	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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50	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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50	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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50	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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51	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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53	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
62	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
63	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
64	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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66	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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66	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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67	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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68	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-3: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Lake (DIX-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.2	0.046	0.066	0.013	0.037	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.000019	12	0.00043	0.00014	0.0011	0.46
-6	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.10	0.0004	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00015	0.001	0.47
-6	March	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.10	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-6	April	0.5	0.043	0.17	0.011	0.025	0.94	0.0039	0.11	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.00059	0.00015	0.00098	0.48
-6	May	0.39	0.026	0.03	0.0062	0.036	0.83	0.0018	0.19	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.001	0.48
-6	June	0.37	0.026	0.023	0.0065	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00012	0.00099	0.47
-6	July	0.47	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00017	0.00092	0.55
-6	August	0.47	0.045	0.028	0.013	0.02	0.95	0.0043	0.14	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00067	0.00017	0.00092	0.55
-6	September	0.48	0.045	0.05	0.0067	0.03	0.88	0.0042	0.11	0.00021	0.0021	0.000011	0.0054	0.0000024	11	0.00042	0.00013	0.00078	0.4
-6	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.11	0.00021	0.0021	0.00001	0.0054	0.0000025	11	0.00042	0.00013	0.00077	0.4
-6	November	1.1	0.045	0.061	0.012	0.036	0.94	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-6	December	1.2	0.046	0.064	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-5	January	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.000019	12	0.00043	0.00014	0.0011	0.46
-5	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.10	0.0004	0.0023	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-5	March	0.49	0.046	0.19	0.013	0.025	0.95	0.0044	0.10	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.46
-5	April	0.5	0.043	0.17	0.011	0.025	0.94	0.0039	0.11	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.00059	0.00015	0.00098	0.48
-5	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.19	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.00099	0.48
-5	June	0.37	0.026	0.023	0.0065	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00012	0.00099	0.47
-5	July	0.47	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00017	0.00092	0.55
-5	August	0.47	0.045	0.028	0.013	0.02	0.95	0.0043	0.14	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00067	0.00017	0.00092	0.55
-5	September	0.48	0.045	0.05	0.0067	0.03	0.88	0.0042	0.11	0.00021	0.0021	0.000011	0.0054	0.0000024	11	0.00042	0.00013	0.00078	0.4
-5	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.11	0.00021	0.0021	0.00001	0.0054	0.0000025	11	0.00042	0.00013	0.00077	0.4
-5	November	1.1	0.045	0.061	0.012	0.036	0.94	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-5	December	1.2	0.046	0.064	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-4	January	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.000019	12	0.00043	0.00014	0.0011	0.46
-4	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.10	0.0004	0.0023	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-4	March	0.49	0.046	0.19	0.013	0.025	0.95	0.0044	0.10	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.46
-4	April	0.5	0.043	0.17	0.011	0.025	0.94	0.0039	0.11	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.00059	0.00015	0.00098	0.48
-4	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.19	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.00099	0.48
-4	June	0.37	0.026	0.023	0.0065	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00012	0.00099	0.47
-4	July	0.47	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00017	0.00092	0.55
-4	August	0.47	0.045	0.028	0.013	0.02	0.95	0.0043	0.14	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00067	0.00017	0.00092	0.55
-4	September	0.48	0.045	0.05	0.0067	0.03	0.88	0.0042	0.11	0.00021	0.0021	0.000011	0.0054	0.0000024	11	0.00042	0.00013	0.00078	0.4
-4	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.11	0.00021	0.0021	0.00001	0.0054	0.0000025	11	0.00042	0.00013	0.00077	0.4
-4	November	1.1	0.045	0.061	0.012	0.036	0.94	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-4	December	1.2	0.046	0.064	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-3	January	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-3	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.12	0.0004	0.0024	0.000012	0.0059	0.0000086	15	0.00062	0.00016	0.0011	0.48
-3	March	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.13	0.00039	0.0024	0.000012	0.0059	0.0000091	15	0.00062	0.00016	0.0011	0.48
-3	April	0.5	0.043	0.17	0.011	0.025	0.94	0.0039	0.13	0.00035	0.0024	0.000012	0.0057	0.0000082	15	0.00061	0.00016	0.001	0.49
-3	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.20	0.0002	0.0019	0.000011	0.0054	0.0000056	10	0.00054	0.00013	0.001	0.48
-3	June	0.37	0.026	0.023	0.0065	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000052	9.7	0.00053	0.00013	0.001	0.47
-3	July	0.47	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.000009	11	0.00068	0.00018	0.00094	0.55
-3	August	0.47	0.045	0.028	0.013	0.02	0.95	0.0043	0.15	0.00038	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00094	0.56
-3	September	0.48	0.045	0.05	0.0067	0.03	0.88	0.0042	0.13	0.00021	0.0022	0.000011	0.0054	0.000004	11	0.00043	0.00013	0.00081	0.41
-3	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.13	0.00021	0.0021	0.000011	0.0054	0.0000042	11	0.00043	0.00013	0.0008	0.41
-3	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.15	0.00037	0.002	0.000022	0.0061	0.00002	12	0.00045	0.00015	0.0011	0.47
-3	December	1.2	0.046	0.064	0.013	0.036	0.95	0.0044	0.15	0.00039	0.002	0.000023	0.0061	0.000021	12	0.00045	0.00015	0.0012	0.47
-2	January	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-2	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.12	0.0004	0.0024	0.000012	0.0059	0.0000087	15	0.00062	0.00016	0.0011	0.48
-2	March	0.49	0.046	0.19	0.013	0.025	0.95	0.0044	0.13	0.00039	0.0025	0.000012	0.0059	0.0000092	15	0.00063	0.00016	0.0011	0.49
-2	April	0.5	0.043	0.17	0.011	0.025	0.94	0.0039	0.13	0.00035	0.0024	0.000012	0.0057	0.0000084	15	0.00061	0.00016	0.001	0.5
-2	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.20	0.0002	0.0019	0.000011	0.0054	0.0000058	10	0.00054	0.00013	0.001	0.48
-2	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.20	0.00022	0.0018	0.000011	0.0055	0.0000053	9.7	0.00053	0.00013	0.001	0.48
-2	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000091	11	0.00068	0.00018	0.00094	0.56
-2	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0042	0.15	0.00038	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00018	0.00094	0.56

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.49	0.045	0.05	0.0067	0.03	0.88	0.0041	0.13	0.00021	0.0022	0.000011	0.0054	0.0000041	11	0.00043	0.00013	0.00081	0.41
-2	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.13	0.00022	0.0022	0.000011	0.0054	0.0000043	11	0.00044	0.00013	0.00081	0.41
-2	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.15	0.00038	0.002	0.000022	0.0061	0.00002	12	0.00045	0.00015	0.0011	0.47
-2	December	1.2	0.046	0.064	0.013	0.036	0.95	0.0044	0.15	0.00039	0.002	0.000023	0.0061	0.000022	12	0.00045	0.00015	0.0012	0.47
-1	January	1.2	0.046	0.065	0.013	0.037	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-1	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0045	0.12	0.0004	0.0024	0.000012	0.0059	0.0000087	15	0.00062	0.00016	0.0011	0.48
-1	March	0.48	0.046	0.19	0.013	0.025	0.95	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00016	0.0011	0.48
-1	April	0.48	0.044	0.18	0.012	0.025	0.94	0.0041	0.12	0.00036	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00015	0.001	0.47
-1	May	0.36	0.026	0.023	0.0063	0.036	0.82	0.0019	0.19	0.00021	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00013	0.00099	0.47
-1	June	0.36	0.026	0.021	0.0066	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00012	0.001	0.47
-1	July	0.47	0.045	0.028	0.013	0.019	0.95	0.0019	0.15	0.00039	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
-1	August	0.47	0.045	0.027	0.013	0.019	0.95	0.0043	0.15	0.00039	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
-1	September	0.47	0.045	0.051	0.0066	0.029	0.89	0.0042	0.12	0.00022	0.0021	0.00001	0.0054	0.000004	10	0.00041	0.00013	0.00079	0.39
-1	October	0.46	0.045	0.05	0.0065	0.029	0.9	0.0041	0.12	0.00021	0.0021	0.00001	0.0054	0.0000043	10	0.00042	0.00013	0.00079	0.39
-1	November	1.2	0.045	0.063	0.013	0.036	0.98	0.0042	0.14	0.00038	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00015	0.0011	0.46
-1	December	1.2	0.046	0.065	0.013	0.036	0.98	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
1	January	1.2	0.046	0.065	0.013	0.037	0.98	0.0045	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
1	February	0.49	0.05	0.19	0.014	0.025	1.1	0.0045	0.12	0.00041	0.0024	0.000012	0.0059	0.0000087	15	0.00062	0.00016	0.0011	0.48
1	March	0.49	0.047	0.19	0.013	0.025	1.0	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000092	15	0.00062	0.00016	0.0011	0.48
1	April	0.48	0.048	0.18	0.012	0.025	1.1	0.0041	0.12	0.00037	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00016	0.001	0.47
1	May	0.36	0.029	0.022	0.0066	0.036	0.94	0.0019	0.19	0.00021	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00013	0.00099	0.47
1	June	0.36	0.028	0.021	0.0068	0.036	0.9	0.0019	0.19	0.00022	0.0018	0.000011	0.0054	0.0000053	9.6	0.00052	0.00013	0.00099	0.47
1	July	0.47	0.047	0.028	0.013	0.019	1.0	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
1	August	0.47	0.048	0.028	0.013	0.019	1.0	0.0043	0.15	0.00039	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
1	September	0.47	0.048	0.051	0.0069	0.029	1.0	0.0043	0.12	0.00022	0.0021	0.00001	0.0054	0.000004	10	0.00041	0.00013	0.00079	0.39
1	October	0.47	0.049	0.05	0.0069	0.029	1.1	0.0042	0.12	0.00022	0.0021	0.00001	0.0054	0.0000043	10	0.00042	0.00013	0.00079	0.39
1	November	1.2	0.049	0.063	0.013	0.036	1.1	0.0043	0.14	0.00039	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00015	0.0011	0.46
1	December	1.2	0.048	0.065	0.013	0.036	1.1	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
2	January	1.2	0.054	0.066	0.014	0.037	1.4	0.0045	0.15	0.00042	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00016	0.0012	0.47
2	February	0.5	0.056	0.2	0.014	0.025	1.5	0.0045	0.12	0.00042	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00017	0.0011	0.48
2	March	0.49	0.049	0.19	0.013	0.025	1.1	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00016	0.0011	0.48
2	April	0.49	0.054	0.18	0.013	0.025	1.4	0.0041	0.12	0.00038	0.0024	0.000012	0.0058	0.0000083	14	0.0006	0.00017	0.001	0.47
2	May	0.37	0.033	0.023	0.0069	0.036	1.2	0.0019	0.19	0.00022	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00013	0.00099	0.47
2	June	0.36	0.03	0.021	0.0069	0.036	1.0	0.0019	0.19	0.00023	0.0018	0.000011	0.0054	0.0000053	9.6	0.00052	0.00013	0.001	0.47
2	July	0.47	0.049	0.028	0.013	0.019	1.1	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
2	August	0.47	0.05	0.028	0.013	0.02	1.2	0.0043	0.15	0.0004	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
2	September	0.47	0.052	0.051	0.0072	0.029	1.2	0.0043	0.12	0.00023	0.0021	0.00001	0.0054	0.000004	10	0.00041	0.00014	0.00079	0.39
2	October	0.47	0.054	0.051	0.0073	0.029	1.4	0.0042	0.12	0.00023	0.0021	0.00001	0.0054	0.0000043	10	0.00042	0.00014	0.00079	0.39
2	November	1.2	0.053	0.064	0.013	0.036	1.3	0.0043	0.14	0.0004	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
2	December	1.2	0.05	0.065	0.013	0.036	1.2	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
3	January	1.2	0.06	0.067	0.014	0.037	1.7	0.0045	0.15	0.00042	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00017	0.0012	0.47
3	February	0.5	0.063	0.2	0.015	0.025	1.8	0.0045	0.12	0.00043	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00018	0.0011	0.48
3	March	0.49	0.05	0.19	0.013	0.025	1.2	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00016	0.0011	0.48
3	April	0.49	0.061	0.18	0.013	0.025	1.8	0.0041	0.12	0.00039	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47
3	May	0.37	0.038	0.023	0.0073	0.036	1.4	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00014	0.00099	0.47
3	June	0.36	0.033	0.021	0.0071	0.036	1.1	0.0019	0.19	0.00023	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00013	0.001	0.47
3	July	0.47	0.051	0.028	0.013	0.019	1.2	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
3	August	0.47	0.052	0.028	0.013	0.02	1.3	0.0043	0.15	0.0004	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00019	0.00093	0.55
3	September	0.48	0.055	0.052	0.0074	0.03	1.4	0.0043	0.12	0.00023	0.0021	0.00001	0.0054	0.0000041	10	0.00041	0.00014	0.00079	0.39
3	October	0.48	0.058	0.051	0.0076	0.03	1.6	0.0042	0.12	0.00024	0.0021	0.00001	0.0054	0.0000043	10	0.00042	0.00015	0.00079	0.39
3	November	1.2	0.056	0.064	0.013	0.036	1.5	0.0043	0.14	0.0004	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
3	December	1.2	0.051	0.065	0.013	0.037	1.2	0.0044	0.15	0.00041	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
4	January	1.2	0.066	0.068	0.015	0.037	1.9	0.0045	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00017	0.0012	0.47
4	February	0.51	0.069	0.2	0.015	0.025	2.1	0.0045	0.12	0.00044	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00019	0.0011	0.48
4	March	0.51	0.072	0.2	0.015	0.025	2.2	0.0045	0.13	0.00044	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00019	0.0011	0.48
4	April	0.5	0.064	0.18	0.014	0.025	1.9	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.37	0.04	0.023	0.0075	0.036	1.5	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00014	0.00099	0.47
4	June	0.36	0.034	0.021	0.0073	0.036	1.2	0.002	0.19	0.00023	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00013	0.001	0.47
4	July	0.47	0.052	0.028	0.013	0.019	1.3	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
4	August	0.47	0.054	0.028	0.014	0.02	1.4	0.0044	0.15	0.0004	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00019	0.00093	0.55
4	September	0.48	0.058	0.052	0.0077	0.03	1.5	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00014	0.00079	0.39
4	October	0.48	0.062	0.052	0.0079	0.03	1.7	0.0042	0.12	0.00024	0.0021	0.00001	0.0055	0.0000043	10	0.00041	0.00015	0.00079	0.39
4	November	1.2	0.059	0.064	0.014	0.036	1.6	0.0043	0.14	0.0004	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
4	December	1.2	0.069	0.068	0.015	0.037	2.1	0.0045	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
5	January	1.2	0.072	0.069	0.015	0.037	2.2	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00018	0.0012	0.47
5	February	0.52	0.076	0.2	0.016	0.025	2.4	0.0046	0.12	0.00044	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00019	0.0011	0.48
5	March	0.52	0.079	0.2	0.016	0.025	2.5	0.0045	0.13	0.00045	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.0002	0.0011	0.48
5	April	0.5	0.065	0.18	0.014	0.025	1.9	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47
5	May	0.38	0.042	0.024	0.0077	0.036	1.6	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00015	0.00099	0.47
5	June	0.37	0.036	0.022	0.0074	0.036	1.3	0.002	0.19	0.00023	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00014	0.001	0.47
5	July	0.47	0.054	0.028	0.014	0.02	1.3	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00019	0.00093	0.55
5	August	0.48	0.056	0.029	0.014	0.02	1.5	0.0044	0.15	0.0004	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00019	0.00093	0.55
5	September	0.48	0.061	0.053	0.0079	0.03	1.6	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
5	October	0.48	0.065	0.052	0.0082	0.03	1.9	0.0042	0.12	0.00024	0.0022	0.00001	0.0055	0.0000043	10	0.00041	0.00015	0.00079	0.39
5	November	1.2	0.062	0.065	0.014	0.036	1.7	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
5	December	1.2	0.074	0.068	0.015	0.037	2.3	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
6	January	1.2	0.078	0.069	0.016	0.037	2.4	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
6	February	0.52	0.082	0.2	0.016	0.025	2.6	0.0046	0.12	0.00045	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.0002	0.0011	0.48
6	March	0.52	0.086	0.2	0.016	0.025	2.8	0.0046	0.13	0.00045	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00021	0.0011	0.48
6	April	0.5	0.069	0.18	0.014	0.025	2.1	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47
6	May	0.38	0.045	0.024	0.0079	0.036	1.7	0.0019	0.19	0.00024	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00015	0.00099	0.46
6	June	0.37	0.038	0.022	0.0075	0.036	1.3	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000053	9.7	0.00052	0.00014	0.001	0.47
6	July	0.48	0.055	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
6	August	0.48	0.058	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
6	September	0.48	0.063	0.053	0.0081	0.03	1.7	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
6	October	0.49	0.069	0.053	0.0085	0.03	2.0	0.0042	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
6	November	1.2	0.064	0.065	0.014	0.036	1.8	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
6	December	1.2	0.079	0.069	0.016	0.037	2.5	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
7	January	1.2	0.083	0.07	0.016	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
7	February	0.53	0.089	0.2	0.017	0.025	2.9	0.0046	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
7	March	0.53	0.094	0.2	0.017	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00022	0.0011	0.48
7	April	0.5	0.073	0.18	0.014	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
7	May	0.38	0.049	0.024	0.0082	0.036	1.8	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.9	0.00052	0.00015	0.00099	0.46
7	June	0.37	0.04	0.022	0.0077	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
7	July	0.48	0.056	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
7	August	0.48	0.059	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
7	September	0.48	0.066	0.053	0.0083	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
7	October	0.49	0.072	0.053	0.0087	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
7	November	1.2	0.066	0.065	0.014	0.036	1.9	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
7	December	1.2	0.085	0.07	0.016	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
8	January	1.2	0.089	0.071	0.017	0.037	2.8	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.0002	0.0012	0.47
8	February	0.53	0.095	0.2	0.017	0.026	3.1	0.0046	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00062	0.00022	0.0011	0.48
8	March	0.53	0.1	0.2	0.018	0.026	3.3	0.0046	0.13	0.00047	0.0025	0.000012	0.006	0.0000093	15	0.00062	0.00022	0.0011	0.48
8	April	0.51	0.077	0.18	0.015	0.025	2.4	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
8	May	0.38	0.052	0.025	0.0084	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
8	June	0.37	0.041	0.022	0.0078	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
8	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
8	August	0.48	0.061	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55
8	September	0.49	0.068	0.053	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
8	October	0.49	0.075	0.053	0.009	0.03	2.2	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
8	November	1.2	0.068	0.066	0.014	0.036	2.0	0.0043	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
8	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00021	0.0012	0.47
9	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00062	0.00022	0.0011	0.48
9	March	0.54	0.11	0.2	0.018	0.026	3.6	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00023	0.0011	0.48
9	April	0.51	0.08	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	15	0.0006	0.0002	0.001	0.47
9	May	0.38	0.054	0.025	0.0086	0.036	2.1	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
9	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
9	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
9	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55
9	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
9	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
9	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
9	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
10	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00021	0.0012	0.47
10	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00062	0.00022	0.0011	0.48
10	March	0.54	0.11	0.2	0.018	0.026	3.6	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00023	0.0011	0.48
10	April	0.51	0.081	0.18	0.015	0.025	2.6	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	15	0.0006	0.0002	0.001	0.47
10	May	0.38	0.055	0.025	0.0087	0.036	2.1	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
10	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
10	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
10	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55
10	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
10	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
10	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
10	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
11	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00021	0.0012	0.47
11	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00063	0.00022	0.0011	0.48
11	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00023	0.0011	0.48
11	April	0.51	0.081	0.18	0.015	0.025	2.6	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	15	0.0006	0.0002	0.001	0.47
11	May	0.38	0.055	0.025	0.0087	0.036	2.1	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
11	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
11	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
11	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55
11	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
11	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
11	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
11	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
12	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00021	0.0012	0.47
12	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00063	0.00022	0.0011	0.48
12	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00023	0.0011	0.48
12	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	15	0.0006	0.0002	0.001	0.47
12	May	0.38	0.055	0.025	0.0087	0.036	2.1	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
12	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
12	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
12	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55
12	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
12	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
12	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0062	0.000021	12	0.00044	0.00017	0.0011	0.46
12	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
13	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00021	0.0012	0.47
13	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.12	0.00047	0.0025	0.000012	0.006	0.0000088	15	0.00063	0.00022	0.0011	0.48
13	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00023	0.0011	0.48
13	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	15	0.0006	0.0002	0.001	0.47
13	May	0.38	0.055	0.025	0.0087	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
13	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
13	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
13	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00093	0.55

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
13	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
13	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
13	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
14	January	1.2	0.095	0.072	0.017	0.037	2.8	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000022	12	0.00045	0.0002	0.0012	0.47
14	February	0.53	0.1	0.2	0.018	0.026	3.0	0.0047	0.12	0.00046	0.0025	0.000012	0.006	0.0000088	15	0.00063	0.00021	0.0011	0.48
14	March	0.53	0.11	0.2	0.018	0.026	3.2	0.0046	0.13	0.00046	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00022	0.0011	0.48
14	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000084	14	0.0006	0.0002	0.001	0.47
14	May	0.38	0.055	0.025	0.0087	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.46
14	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
14	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
14	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
14	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
14	October	0.49	0.076	0.054	0.0091	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
14	November	1.2	0.069	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
14	December	1.2	0.09	0.07	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
15	January	1.2	0.095	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.0002	0.0012	0.47
15	February	0.53	0.1	0.2	0.018	0.026	2.9	0.0047	0.12	0.00046	0.0025	0.000012	0.006	0.0000088	15	0.00062	0.00021	0.0011	0.48
15	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.006	0.0000094	15	0.00062	0.00022	0.0011	0.48
15	April	0.51	0.081	0.18	0.015	0.025	2.4	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
15	May	0.38	0.055	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00015	0.00099	0.46
15	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
15	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
15	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
15	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
15	October	0.49	0.076	0.054	0.0091	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
15	November	1.2	0.069	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
15	December	1.2	0.09	0.07	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
16	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.0002	0.0012	0.47
16	February	0.53	0.11	0.2	0.018	0.026	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
16	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00021	0.0011	0.48
16	April	0.5	0.079	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
16	May	0.38	0.054	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
16	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
16	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
16	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
16	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
16	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
16	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
16	December	1.2	0.094	0.071	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
17	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
17	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
17	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00021	0.0011	0.48
17	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
17	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
17	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
17	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
17	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
17	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
17	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
17	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
17	December	1.2	0.094	0.071	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
18	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
18	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
18	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00021	0.0011	0.48
18	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
18	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
18	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
18	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
18	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
18	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
18	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
18	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
19	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
19	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
19	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
19	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
19	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
19	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
19	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
19	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
19	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
19	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
19	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
19	December	1.2	0.094	0.071	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
20	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
20	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
20	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
20	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
20	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
20	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
20	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
20	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
20	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
20	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
20	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
20	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
21	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
21	February	0.53	0.11	0.2	0.018	0.025	2.8	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
21	March	0.53	0.11	0.2	0.018	0.025	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
21	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
21	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
21	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
21	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
21	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
21	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
21	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
21	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
21	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
22	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
22	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
22	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
22	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
22	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
22	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
22	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
22	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
22	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
22	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
22	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
22	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
23	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
23	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
23	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
23	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
23	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
23	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
23	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
23	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
23	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
23	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
23	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
24	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00019	0.0012	0.47
24	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.12	0.00046	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00021	0.0011	0.48
24	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00021	0.0011	0.48
24	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
24	May	0.38	0.056	0.025	0.0087	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
24	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
24	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
24	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
24	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
24	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
24	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
24	December	1.2	0.094	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
25	January	1.2	0.099	0.072	0.017	0.037	2.3	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00018	0.0012	0.47
25	February	0.52	0.11	0.2	0.018	0.025	2.4	0.0047	0.12	0.00045	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.0002	0.0011	0.48
25	March	0.52	0.11	0.2	0.018	0.025	2.6	0.0046	0.13	0.00045	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.0002	0.0011	0.48
25	April	0.5	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00019	0.001	0.47
25	May	0.38	0.056	0.025	0.0087	0.036	1.8	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
25	June	0.37	0.043	0.022	0.0079	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00014	0.001	0.47
25	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
25	August	0.48	0.062	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
25	September	0.48	0.069	0.054	0.0085	0.03	1.7	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00078	0.39
25	October	0.48	0.077	0.054	0.009	0.03	1.9	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000044	10	0.00041	0.00015	0.00078	0.39
25	November	1.2	0.07	0.066	0.015	0.036	1.8	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
25	December	1.2	0.094	0.071	0.017	0.037	2.2	0.0046	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
26	January	1.2	0.099	0.072	0.017	0.037	1.9	0.0046	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00017	0.0012	0.47
26	February	0.51	0.11	0.2	0.018	0.025	2.0	0.0047	0.12	0.00043	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00018	0.0011	0.48
26	March	0.51	0.11	0.2	0.018	0.025	2.1	0.0046	0.13	0.00043	0.0025	0.000012	0.0059	0.0000093	15	0.00062	0.00019	0.0011	0.48
26	April	0.5	0.082	0.18	0.015	0.025	2.0	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47
26	May	0.38	0.056	0.025	0.0087	0.036	1.6	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00098	0.46
26	June	0.37	0.043	0.022	0.0079	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00014	0.001	0.47
26	July	0.48	0.059	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
26	August	0.48	0.062	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
26	September	0.48	0.069	0.054	0.0085	0.03	1.6	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00014	0.00078	0.39
26	October	0.48	0.077	0.054	0.009	0.03	1.7	0.0043	0.12	0.00024	0.0021	0.00001	0.0054	0.0000044	10	0.00041	0.00015	0.00078	0.39
26	November	1.2	0.07	0.066	0.015	0.036	1.7	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
26	December	1.2	0.094	0.071	0.017	0.037	1.9	0.0046	0.15	0.00042	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00017	0.0012	0.47
27	January	1.2	0.099	0.071	0.017	0.037	1.9	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.46
27	February	0.51	0.11	0.2	0.018	0.025	2.0	0.0047	0.10	0.00043	0.0023	0.000012	0.0059	0.000006	15	0.0006	0.00018	0.001	0.47
27	March	0.51	0.11	0.2	0.018	0.025	2.1	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.000006	15	0.0006	0.00018	0.001	0.46
27	April	0.5	0.082	0.18	0.015	0.025	1.9	0.0042	0.10	0.0004	0.0023	0.000012	0.0058	0.000006	14	0.00058	0.00017	0.00097	0.45
27	May	0.37	0.056	0.025	0.0086	0.036	1.5	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000048	9.8	0.00051	0.00014	0.00097	0.46
27	June	0.37	0.043	0.022	0.0079	0.036	1.3	0.002	0.18	0.00024	0.0018	0.000011	0.0055	0.0000047	9.6	0.00052	0.00014	0.00098	0.46
27	July	0.48	0.058	0.029	0.014	0.019	1.4	0.002	0.14	0.00041	0.0031	0.000013	0.0059	0.0000085	11	0.00068	0.00019	0.00092	0.55
27	August	0.48	0.062	0.029	0.014	0.02	1.5	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000085	11	0.00067	0.00019	0.00091	0.54

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.48	0.069	0.053	0.0084	0.029	1.5	0.0043	0.11	0.00024	0.0021	0.00001	0.0055	0.0000026	10	0.0004	0.00014	0.00075	0.38
27	October	0.48	0.077	0.053	0.0089	0.029	1.7	0.0043	0.11	0.00024	0.0021	0.00001	0.0054	0.0000027	10	0.0004	0.00014	0.00075	0.38
27	November	1.2	0.069	0.066	0.014	0.036	1.6	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00016	0.0011	0.45
27	December	1.2	0.093	0.07	0.017	0.037	1.8	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.45
28	January	1.2	0.098	0.071	0.017	0.037	1.9	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.46
28	February	0.51	0.1	0.2	0.018	0.025	2.0	0.0047	0.10	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00018	0.001	0.46
28	March	0.51	0.11	0.2	0.018	0.025	2.1	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00018	0.001	0.46
28	April	0.5	0.081	0.18	0.015	0.025	1.8	0.0042	0.10	0.00039	0.0023	0.000012	0.0058	0.0000059	14	0.00058	0.00017	0.00097	0.45
28	May	0.37	0.055	0.025	0.0085	0.036	1.5	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000047	9.8	0.00051	0.00014	0.00096	0.46
28	June	0.37	0.042	0.022	0.0078	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0055	0.0000046	9.6	0.00052	0.00013	0.00098	0.46
28	July	0.48	0.057	0.029	0.014	0.019	1.3	0.002	0.14	0.00041	0.0031	0.000013	0.0059	0.0000084	11	0.00068	0.00018	0.00092	0.55
28	August	0.47	0.061	0.029	0.014	0.019	1.4	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000084	11	0.00067	0.00018	0.00091	0.54
28	September	0.48	0.068	0.053	0.0084	0.029	1.5	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
28	October	0.48	0.076	0.053	0.0089	0.029	1.6	0.0043	0.11	0.00024	0.002	0.00001	0.0054	0.0000026	10	0.0004	0.00014	0.00075	0.38
28	November	1.2	0.069	0.065	0.014	0.036	1.6	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00016	0.0011	0.45
28	December	1.2	0.091	0.07	0.016	0.037	1.8	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
29	January	1.2	0.096	0.071	0.017	0.037	1.8	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
29	February	0.51	0.1	0.2	0.017	0.025	1.9	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00017	0.001	0.46
29	March	0.51	0.11	0.2	0.018	0.025	2.0	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00018	0.001	0.46
29	April	0.5	0.08	0.18	0.015	0.025	1.7	0.0042	0.10	0.00039	0.0023	0.000012	0.0058	0.0000058	14	0.00058	0.00017	0.00096	0.45
29	May	0.37	0.054	0.024	0.0084	0.036	1.4	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000046	9.8	0.00051	0.00014	0.00096	0.46
29	June	0.36	0.041	0.022	0.0077	0.036	1.2	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000046	9.6	0.00052	0.00013	0.00098	0.46
29	July	0.47	0.057	0.029	0.014	0.019	1.3	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000084	11	0.00068	0.00018	0.00091	0.55
29	August	0.47	0.06	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00067	0.00018	0.00091	0.54
29	September	0.48	0.068	0.053	0.0083	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
29	October	0.48	0.075	0.053	0.0088	0.029	1.5	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
29	November	1.2	0.068	0.065	0.014	0.036	1.5	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
29	December	1.2	0.09	0.07	0.016	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
30	January	1.2	0.095	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
30	February	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
30	March	0.51	0.11	0.2	0.018	0.025	1.9	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
30	April	0.49	0.079	0.18	0.015	0.025	1.6	0.0042	0.10	0.00039	0.0022	0.000012	0.0058	0.0000057	14	0.00058	0.00016	0.00096	0.45
30	May	0.37	0.052	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000046	9.8	0.00051	0.00014	0.00096	0.46
30	June	0.36	0.04	0.022	0.0076	0.036	1.2	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000045	9.6	0.00052	0.00013	0.00098	0.46
30	July	0.47	0.056	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
30	August	0.47	0.059	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00067	0.00018	0.00091	0.54
30	September	0.48	0.067	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00013	0.00075	0.38
30	October	0.48	0.074	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
30	November	1.2	0.067	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
30	December	1.2	0.088	0.07	0.016	0.037	1.6	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
31	January	1.2	0.09	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
31	February	0.51	0.096	0.2	0.017	0.025	1.8	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
31	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.10	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
31	April	0.49	0.077	0.18	0.015	0.025	1.6	0.0042	0.10	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45
31	May	0.37	0.051	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000045	9.8	0.00051	0.00013	0.00096	0.46
31	June	0.36	0.039	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000045	9.6	0.00052	0.00013	0.00098	0.46
31	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
31	August	0.47	0.059	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
31	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00013	0.00075	0.38
31	October	0.48	0.072	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00075	0.38
31	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
31	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
32	January	1.2	0.09	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
32	February	0.51	0.096	0.2	0.017	0.025	1.8	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
32	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.10	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.00099	0.46
32	April	0.49	0.075	0.18	0.015	0.025	1.6	0.0042	0.10	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.37	0.05	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000045	9.8	0.00051	0.00013	0.00096	0.46
32	June	0.36	0.039	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000044	9.6	0.00052	0.00013	0.00098	0.46
32	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
32	August	0.47	0.058	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
32	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000023	10	0.0004	0.00013	0.00075	0.38
32	October	0.48	0.071	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00074	0.38
32	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00042	0.00015	0.0011	0.45
32	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
33	January	1.2	0.09	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
33	February	0.51	0.096	0.2	0.017	0.025	1.8	0.0046	0.10	0.00043	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
33	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.10	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.00099	0.46
33	April	0.49	0.075	0.18	0.015	0.025	1.6	0.0042	0.10	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45
33	May	0.37	0.05	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000044	9.8	0.00051	0.00013	0.00096	0.46
33	June	0.36	0.039	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000044	9.6	0.00052	0.00013	0.00098	0.46
33	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00018	0.00091	0.55
33	August	0.47	0.058	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
33	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000023	10	0.0004	0.00013	0.00075	0.38
33	October	0.48	0.071	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00074	0.38
33	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00042	0.00015	0.0011	0.45
33	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
34	January	1.5	0.12	0.072	0.018	0.034	2.6	0.0043	0.12	0.00045	0.0019	0.000022	0.0068	0.000017	12	0.00053	0.00018	0.0012	0.41
34	February	0.73	0.059	0.19	0.013	0.025	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
34	March	0.74	0.06	0.19	0.013	0.025	2.1	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00019	0.001	0.46
34	April	0.78	0.052	0.17	0.012	0.023	1.7	0.0039	0.09	0.0004	0.0022	0.000012	0.0064	0.0000058	14	0.00063	0.00016	0.001	0.41
34	May	0.55	0.031	0.024	0.0064	0.034	1.3	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.001	0.43
34	June	0.5	0.03	0.022	0.0066	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000046	9.6	0.00054	0.00013	0.001	0.44
34	July	0.57	0.048	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
34	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.00041	0.003	0.000013	0.0063	0.0000082	11	0.0007	0.00018	0.00093	0.52
34	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
34	October	0.7	0.049	0.05	0.0064	0.028	1.5	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000028	10	0.00045	0.00013	0.00079	0.36
34	November	1.2	0.047	0.063	0.013	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
34	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.00002	12	0.00045	0.00016	0.0011	0.45
35	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
35	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
35	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
35	April	0.83	0.052	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0067	0.0000058	14	0.00064	0.00017	0.001	0.42
35	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.001	0.43
35	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000046	9.7	0.00054	0.00012	0.001	0.44
35	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
35	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000082	11	0.00069	0.00018	0.00093	0.52
35	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
35	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
35	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
35	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
36	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
36	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
36	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
36	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
36	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.001	0.43
36	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
36	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
36	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
36	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
36	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
36	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
36	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
37	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
37	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
37	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
37	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
37	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
37	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
37	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
37	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
37	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
37	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
37	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
38	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
38	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
38	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
38	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
38	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
38	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
38	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
38	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
38	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
38	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
38	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
38	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
39	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
39	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
39	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
39	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
39	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
39	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
39	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
39	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
39	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
39	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
39	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
39	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
40	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
40	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
40	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
40	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
40	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
40	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
40	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
40	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
40	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
40	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
40	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
40	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
41	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
41	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
41	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
41	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
41	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
41	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
41	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
41	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
41	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
41	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
41	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
42	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
42	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
42	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
42	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
42	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
42	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
42	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
42	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
42	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
42	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
42	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
42	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
43	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
43	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
43	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
43	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
43	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
43	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
43	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
43	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
43	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
43	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
43	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
43	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
44	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
44	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
44	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
44	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
44	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
44	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
44	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
44	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
44	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
44	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
44	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
44	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
45	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
45	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
45	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
45	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
45	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
45	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
45	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
45	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
45	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
45	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
45	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
45	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
46	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
46	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
46	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
46	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
46	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
46	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
46	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
46	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
46	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
46	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
46	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
47	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
47	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
47	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
47	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
47	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
47	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
47	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
47	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
47	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
47	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
47	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
47	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
48	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
48	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
48	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
48	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
48	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
48	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
48	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
48	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
48	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
48	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
48	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
48	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
49	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
49	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
49	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
49	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
49	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
49	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
49	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
49	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
49	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
49	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
49	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
49	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
50	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
50	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
50	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
50	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
50	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
50	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
50	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
50	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
50	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
50	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
50	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
50	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
51	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
51	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
51	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
51	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
51	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
51	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
51	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
51	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
51	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
51	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
51	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
52	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
52	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
52	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
52	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
52	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
52	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
52	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
52	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
52	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
52	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
52	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
52	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
53	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
53	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
53	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
53	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
53	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
53	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
53	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
53	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
53	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
53	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
53	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
53	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
54	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
54	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
54	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
54	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
54	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
54	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
54	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
54	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
54	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
54	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
54	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
54	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
55	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
55	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
55	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
55	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
55	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
55	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
55	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
55	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
55	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
55	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
55	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
56	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
56	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
56	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
56	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
56	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
56	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
56	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
56	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
56	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
56	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
56	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
56	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
57	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
57	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
57	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
57	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
57	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
57	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
57	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
57	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
57	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
57	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
57	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
57	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
58	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
58	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
58	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
58	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
58	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
58	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
58	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
58	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
58	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
58	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
58	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
58	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
59	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
59	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
59	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
59	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
59	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
59	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
59	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
59	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
59	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
59	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
59	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
59	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
60	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
60	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
60	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
60	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
60	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
60	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
60	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
60	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
60	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
60	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
60	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
61	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
61	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
61	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
61	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
61	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
61	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
61	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
61	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
61	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
61	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
61	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
61	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
62	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
62	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
62	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
62	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
62	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
62	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
62	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
62	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
62	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
62	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
62	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
62	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
63	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
63	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
63	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
63	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
63	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
63	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
63	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
63	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
63	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
63	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
63	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
63	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
64	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
64	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
64	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
64	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
64	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
64	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
64	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
64	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
64	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
64	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
64	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
64	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
65	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
65	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
65	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
65	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
65	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
65	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
65	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
65	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
65	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
65	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
65	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
66	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
66	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
66	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
66	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
66	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
66	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
66	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
66	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
66	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
66	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
66	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
66	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
67	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
67	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
67	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
67	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
67	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
67	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
67	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
67	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
67	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
67	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
67	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
67	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
68	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
68	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
68	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
68	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
68	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
68	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
68	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
68	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
68	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
68	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
68	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
68	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
69	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
69	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
69	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
69	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
69	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
69	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
69	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
69	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
69	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
69	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
69	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45
70	January	1.4	0.055	0.066	0.013	0.036	1.8	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00045	0.00017	0.0011	0.45
70	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.10	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
70	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.10	0.00044	0.0022	0.000012	0.0068	0.0000059	15	0.00063	0.00018	0.001	0.46
70	April	0.83	0.051	0.17	0.011	0.024	1.9	0.0039	0.10	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
70	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.00099	0.43
70	June	0.5	0.029	0.022	0.0065	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000045	9.7	0.00054	0.00012	0.001	0.44
70	July	0.57	0.047	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
70	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.0004	0.003	0.000013	0.0063	0.0000081	11	0.00069	0.00018	0.00093	0.52
70	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.0008	0.36
70	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.10	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00045	0.00013	0.00079	0.36
70	November	1.2	0.047	0.063	0.012	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00043	0.00014	0.0011	0.44
70	December	1.4	0.053	0.065	0.013	0.036	1.7	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.000019	12	0.00045	0.00016	0.0011	0.45

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.00006	0.000023	0.0000038	0.000015	0.00022	0.00079	0.0011	0.00089	0.00040
-6	February	0.00015	4.1	0.043	0.0000013	0.00024	0.00066	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00072	0.0019	0.00089	0.00040
-6	March	0.00015	4.1	0.043	0.0000013	0.00024	0.00065	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00072	0.0019	0.00088	0.00039
-6	April	0.00015	4.0	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000021	0.000004	0.000028	0.0002	0.00074	0.002	0.00080	0.00037
-6	May	0.00016	3.0	0.021	0.0000015	0.00018	0.00066	1.0	0.0001	0.000013	0.000005	0.000035	0.0002	0.00093	0.0016	0.00057	0.00023
-6	June	0.00016	3.0	0.019	0.0000015	0.00017	0.00065	1.0	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-6	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0019	0.00087	0.00039
-6	August	0.00019	3.4	0.044	0.0000014	0.00025	0.00074	1.0	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00078	0.0019	0.00086	0.00039
-6	September	0.00012	3.1	0.018	0.0000014	0.00022	0.00065	1.0	0.000078	0.000014	0.0000056	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-6	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	1.0	0.000077	0.000014	0.0000055	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-6	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00038
-6	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00078	0.0011	0.00088	0.00039
-5	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.00006	0.000023	0.0000038	0.000015	0.00022	0.00078	0.0011	0.00089	0.00040
-5	February	0.00015	4.1	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00072	0.0019	0.00089	0.00040
-5	March	0.00015	4.1	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00072	0.0019	0.00088	0.00039
-5	April	0.00015	4.0	0.043	0.0000012	0.00023	0.00065	1.2	0.00013	0.000021	0.000004	0.000028	0.00019	0.00073	0.002	0.00080	0.00037
-5	May	0.00015	3.0	0.021	0.0000015	0.00017	0.00066	1.0	0.0001	0.000013	0.000005	0.000035	0.0002	0.00092	0.0016	0.00057	0.00023
-5	June	0.00016	3.0	0.019	0.0000015	0.00017	0.00065	1.0	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-5	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0019	0.00087	0.00039
-5	August	0.00019	3.4	0.044	0.0000014	0.00025	0.00074	1.0	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00078	0.0019	0.00086	0.00039
-5	September	0.00012	3.1	0.018	0.0000014	0.00022	0.00065	1.0	0.000078	0.000014	0.0000056	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-5	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	1.0	0.000077	0.000014	0.0000055	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-5	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00038
-5	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00078	0.0011	0.00088	0.00039
-4	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.00006	0.000023	0.0000038	0.000015	0.00022	0.00078	0.0011	0.00089	0.00040
-4	February	0.00015	4.1	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00072	0.0019	0.00089	0.00040
-4	March	0.00015	4.1	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00072	0.0019	0.00088	0.00039
-4	April	0.00015	4.0	0.043	0.0000012	0.00023	0.00065	1.2	0.00013	0.000021	0.000004	0.000028	0.00019	0.00073	0.002	0.00080	0.00037
-4	May	0.00015	3.0	0.021	0.0000015	0.00017	0.00066	1.0	0.0001	0.000013	0.000005	0.000035	0.0002	0.00092	0.0016	0.00057	0.00023
-4	June	0.00016	3.0	0.019	0.0000015	0.00017	0.00065	1.0	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-4	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0019	0.00087	0.00039
-4	August	0.00019	3.4	0.044	0.0000014	0.00025	0.00074	1.0	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00078	0.0019	0.00086	0.00039
-4	September	0.00012	3.1	0.018	0.0000014	0.00022	0.00065	1.0	0.000078	0.000014	0.0000056	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-4	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	1.0	0.000077	0.000014	0.0000055	0.000037	0.00019	0.00072	0.0013	0.00056	0.00038
-4	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00038
-4	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00078	0.0011	0.00088	0.00039
-3	January	0.00025	3.2	0.02	0.0000013	0.00023	0.00087	1.1	0.00006	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00092	0.00040
-3	February	0.00025	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000025	0.00019	0.00074	0.0024	0.00093	0.00040
-3	March	0.00027	4.1	0.043	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00075	0.0025	0.00092	0.00039
-3	April	0.00024	4.0	0.043	0.0000013	0.00023	0.00069	1.2	0.00014	0.000022	0.0000041	0.000029	0.00019	0.00076	0.0024	0.00083	0.00037
-3	May	0.00019	3.0	0.021	0.0000015	0.00018	0.00068	1.0	0.0001	0.000013	0.000005	0.000036	0.0002	0.00093	0.0018	0.00058	0.00023
-3	June	0.00018	3.0	0.019	0.0000015	0.00017	0.00066	1.0	0.0001	0.000014	0.000005	0.000034	0.0002	0.00092	0.0016	0.00059	0.00023
-3	July	0.00022	3.3	0.044	0.0000014	0.00024	0.00075	1.0	0.00011	0.000022	0.0000037	0.000017	0.00015	0.00079	0.0021	0.00089	0.00039
-3	August	0.00023	3.4	0.044	0.0000014	0.00025	0.00076	1.0	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00079	0.0021	0.00088	0.00039
-3	September	0.00017	3.1	0.019	0.0000014	0.00022	0.00068	1.0	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00073	0.0016	0.00058	0.00038
-3	October	0.00017	3.1	0.018	0.0000013	0.00023	0.00068	1.0	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00073	0.0016	0.00058	0.00038
-3	November	0.00023	3.2	0.02	0.0000013	0.00023	0.00084	1.2	0.000062	0.000022	0.000004	0.00002	0.00022	0.0008	0.0015	0.00088	0.00038
-3	December	0.00024	3.2	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.000004	0.000017	0.00022	0.0008	0.0015	0.00091	0.00039
-2	January	0.00026	3.2	0.02	0.0000013	0.00023	0.00087	1.1	0.00006	0.000023	0.000004	0.000016	0.00022	0.00081	0.0015	0.00093	0.00040
-2	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000025	0.00019	0.00074	0.0024	0.00093	0.00040
-2	March	0.00028	4.1	0.043	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00075	0.0025	0.00093	0.00039
-2	April	0.00025	4.0	0.043	0.0000013	0.00023	0.00069	1.2	0.00014	0.000022	0.0000041	0.00003	0.00019	0.00076	0.0025	0.00084	0.00037
-2	May	0.00019	3.0	0.021	0.0000015	0.00018	0.00068	1.0	0.0001	0.000013	0.0000051	0.000036	0.0002	0.00093	0.0018	0.00058	0.00023
-2	June	0.00018	3.0	0.02	0.0000015	0.00017	0.00066	1.0	0.0001	0.000014	0.000005	0.000034	0.0002	0.00093	0.0017	0.00059	0.00023
-2	July	0.00022	3.3	0.044	0.0000014	0.00024	0.00076	1.0	0.00011	0.000022	0.0000037	0.000017	0.00015	0.00079	0.0021	0.00089	0.00039
-2	August	0.00024	3.4	0.045	0.0000014	0.00025	0.00076	1.0	0.00011	0.000022	0.0000037	0.00002	0.00016	0.0008	0.0021	0.00088	0.00039

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00017	3.1	0.019	0.0000014	0.00023	0.00068	1.0	0.000079	0.000014	0.0000056	0.000038	0.00019	0.00074	0.0016	0.00058	0.00038
-2	October	0.00018	3.1	0.018	0.0000013	0.00023	0.00068	1.0	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00073	0.0016	0.00059	0.00038
-2	November	0.00023	3.2	0.02	0.0000013	0.00023	0.00084	1.2	0.000062	0.000022	0.000004	0.00002	0.00022	0.0008	0.0015	0.00088	0.00038
-2	December	0.00024	3.2	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.000004	0.000017	0.00022	0.0008	0.0015	0.00091	0.00039
-1	January	0.00026	3.1	0.02	0.0000013	0.00023	0.00087	1.1	0.00006	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00093	0.00040
-1	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000025	0.00019	0.00074	0.0024	0.00093	0.00040
-1	March	0.00028	4.1	0.043	0.0000013	0.00023	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00018	0.00074	0.0025	0.00093	0.00039
-1	April	0.00025	4.0	0.042	0.0000013	0.00023	0.00068	1.2	0.00014	0.000022	0.0000041	0.000028	0.00018	0.00073	0.0024	0.00086	0.00038
-1	May	0.0002	3.0	0.019	0.0000013	0.00017	0.00065	1.0	0.0001	0.000014	0.0000051	0.000035	0.00019	0.0009	0.0017	0.00057	0.00023
-1	June	0.00019	3.0	0.019	0.0000013	0.00017	0.00065	1.0	0.0001	0.000014	0.000005	0.000034	0.00019	0.0009	0.0017	0.00058	0.00023
-1	July	0.00023	3.3	0.044	0.0000013	0.00024	0.00075	1.0	0.00011	0.000022	0.0000036	0.000016	0.00015	0.00078	0.0021	0.00089	0.00039
-1	August	0.00024	3.3	0.044	0.0000013	0.00024	0.00075	1.0	0.00011	0.000022	0.0000037	0.000017	0.00015	0.00078	0.0021	0.00089	0.00039
-1	September	0.00017	2.9	0.017	0.0000013	0.00021	0.00067	0.9	0.000077	0.000014	0.0000056	0.000035	0.00017	0.00071	0.0016	0.00058	0.00039
-1	October	0.00018	2.9	0.017	0.0000013	0.00021	0.00067	0.9	0.000078	0.000014	0.0000056	0.000036	0.00017	0.00071	0.0016	0.00058	0.00039
-1	November	0.00024	3.1	0.02	0.0000013	0.00023	0.00084	1.1	0.000062	0.000022	0.000004	0.000019	0.00022	0.00079	0.0015	0.00089	0.00039
-1	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000017	0.00022	0.0008	0.0015	0.00092	0.00040
1	January	0.00026	3.1	0.02	0.0000013	0.00023	0.00087	1.1	0.00006	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00093	0.00040
1	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00074	0.0024	0.00093	0.00043
1	March	0.00028	4.1	0.043	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00018	0.00074	0.0025	0.00093	0.00040
1	April	0.00025	4.0	0.042	0.0000013	0.00023	0.00068	1.2	0.00014	0.000022	0.0000041	0.000029	0.00018	0.00073	0.0024	0.00086	0.00041
1	May	0.0002	3.0	0.019	0.0000013	0.00017	0.00065	1.0	0.0001	0.000013	0.0000051	0.000036	0.00019	0.00089	0.0017	0.00057	0.00025
1	June	0.00019	3.0	0.019	0.0000013	0.00017	0.00065	1.0	0.0001	0.000014	0.000005	0.000034	0.00019	0.0009	0.0017	0.00058	0.00024
1	July	0.00023	3.3	0.044	0.0000013	0.00024	0.00075	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0021	0.00089	0.00040
1	August	0.00024	3.3	0.044	0.0000013	0.00024	0.00075	1.0	0.00011	0.000022	0.0000037	0.000018	0.00015	0.00078	0.0021	0.00089	0.00041
1	September	0.00017	2.9	0.017	0.0000013	0.00022	0.00067	0.9	0.000078	0.000014	0.0000056	0.000036	0.00017	0.00071	0.0016	0.00058	0.00042
1	October	0.00018	2.9	0.017	0.0000013	0.00022	0.00067	0.9	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00071	0.0016	0.00058	0.00042
1	November	0.00023	3.1	0.02	0.0000013	0.00023	0.00084	1.1	0.000062	0.000022	0.000004	0.000019	0.00022	0.00079	0.0015	0.00088	0.00042
1	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000017	0.00022	0.0008	0.0015	0.00092	0.00041
2	January	0.00026	3.1	0.02	0.0000013	0.00024	0.00087	1.2	0.000061	0.000023	0.000004	0.000019	0.00022	0.00081	0.0015	0.00093	0.00047
2	February	0.00026	4.1	0.044	0.0000013	0.00025	0.0007	1.2	0.00014	0.000023	0.000004	0.000028	0.00019	0.00074	0.0025	0.00093	0.00048
2	March	0.00028	4.1	0.043	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000027	0.00018	0.00074	0.0025	0.00093	0.00042
2	April	0.00024	4.0	0.042	0.0000013	0.00024	0.00068	1.2	0.00014	0.000022	0.0000041	0.000031	0.00018	0.00073	0.0024	0.00086	0.00047
2	May	0.0002	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.00019	0.00089	0.0017	0.00057	0.00029
2	June	0.00019	3.0	0.019	0.0000013	0.00017	0.00065	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.0009	0.0017	0.00058	0.00026
2	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0021	0.00089	0.00042
2	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000037	0.000018	0.00015	0.00078	0.0022	0.00089	0.00043
2	September	0.00017	2.9	0.017	0.0000013	0.00022	0.00067	0.9	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00071	0.0016	0.00058	0.00045
2	October	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.9	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.00046
2	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000021	0.00022	0.00079	0.0015	0.00089	0.00045
2	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000018	0.00022	0.0008	0.0015	0.00092	0.00043
3	January	0.00026	3.1	0.02	0.0000013	0.00025	0.00087	1.2	0.000062	0.000023	0.000004	0.000021	0.00022	0.00081	0.0015	0.00093	0.00052
3	February	0.00026	4.1	0.044	0.0000013	0.00026	0.0007	1.2	0.00014	0.000023	0.000004	0.00003	0.00019	0.00074	0.0025	0.00093	0.00054
3	March	0.00028	4.1	0.043	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000027	0.00018	0.00074	0.0025	0.00093	0.00043
3	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000033	0.00018	0.00073	0.0024	0.00086	0.00052
3	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.00019	0.00089	0.0017	0.00057	0.00033
3	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.0009	0.0017	0.00058	0.00028
3	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00043
3	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000037	0.000019	0.00015	0.00078	0.0022	0.00089	0.00045
3	September	0.00017	2.9	0.017	0.0000013	0.00023	0.00067	0.9	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.00047
3	October	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.9	0.000079	0.000014	0.0000056	0.00004	0.00018	0.00071	0.0016	0.00058	0.00050
3	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.00048
3	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000018	0.00022	0.0008	0.0015	0.00092	0.00044
4	January	0.00026	3.1	0.02	0.0000013	0.00025	0.00087	1.2	0.000063	0.000023	0.000004	0.000022	0.00022	0.00081	0.0015	0.00093	0.00057
4	February	0.00026	4.1	0.044	0.0000013	0.00027	0.0007	1.2	0.00014	0.000023	0.000004	0.000031	0.00019	0.00074	0.0025	0.00093	0.00060
4	March	0.00028	4.1	0.043	0.0000013	0.00027	0.0007	1.2	0.00014	0.000023	0.000004	0.000033	0.00019	0.00074	0.0025	0.00093	0.00062
4	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00055

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0017	0.00057	0.00035
4	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.000005	0.000036	0.00019	0.0009	0.0017	0.00058	0.00030
4	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00045
4	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000037	0.000019	0.00015	0.00078	0.0022	0.00089	0.00047
4	September	0.00017	2.9	0.017	0.0000013	0.00023	0.00067	0.9	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.00050
4	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000056	0.00004	0.00018	0.00071	0.0016	0.00058	0.00053
4	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.00051
4	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000063	0.000023	0.000004	0.000023	0.00022	0.0008	0.0015	0.00092	0.00059
5	January	0.00026	3.1	0.02	0.0000013	0.00026	0.00087	1.2	0.000063	0.000023	0.000004	0.000023	0.00022	0.00081	0.0015	0.00093	0.00062
5	February	0.00026	4.1	0.044	0.0000013	0.00028	0.0007	1.2	0.00015	0.000023	0.000004	0.000033	0.00019	0.00074	0.0025	0.00093	0.00065
5	March	0.00028	4.1	0.043	0.0000013	0.00028	0.0007	1.2	0.00015	0.000023	0.000004	0.000034	0.00019	0.00074	0.0025	0.00093	0.00068
5	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00056
5	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0017	0.00057	0.00036
5	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.0000051	0.000036	0.00019	0.0009	0.0017	0.00058	0.00031
5	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00046
5	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.00048
5	September	0.00017	2.9	0.017	0.0000013	0.00023	0.00067	0.9	0.000079	0.000014	0.0000056	0.000039	0.00018	0.00071	0.0016	0.00058	0.00052
5	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	1.0	0.00008	0.000014	0.0000056	0.000041	0.00018	0.00071	0.0016	0.00058	0.00056
5	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00053
5	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.0008	0.0015	0.00092	0.00064
6	January	0.00026	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.00081	0.0015	0.00093	0.00067
6	February	0.00026	4.1	0.044	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000034	0.00019	0.00075	0.0025	0.00093	0.00071
6	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00074	0.0025	0.00093	0.00074
6	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00059
6	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.00004	0.00019	0.00089	0.0017	0.00057	0.00039
6	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00033
6	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00047
6	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00077	0.0022	0.00089	0.00050
6	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00054
6	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.00008	0.000014	0.0000056	0.000042	0.00018	0.00071	0.0016	0.00058	0.00059
6	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00055
6	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000064	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00068
7	January	0.00026	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000064	0.000023	0.000004	0.000026	0.00022	0.00081	0.0015	0.00093	0.00072
7	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00093	0.00076
7	March	0.00028	4.1	0.043	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0025	0.00093	0.00081
7	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00086	0.00063
7	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.00004	0.00019	0.00089	0.0017	0.00057	0.00042
7	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00034
7	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00048
7	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00051
7	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00057
7	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0016	0.00058	0.00062
7	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00057
7	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.0008	0.0015	0.00092	0.00073
8	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000027	0.00023	0.00081	0.0016	0.00093	0.00077
8	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0025	0.00093	0.00082
8	March	0.00028	4.1	0.043	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000039	0.00019	0.00075	0.0025	0.00093	0.00087
8	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00018	0.00073	0.0024	0.00086	0.00066
8	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00045
8	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00036
8	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
8	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00052
8	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00058
8	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00065
8	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
8	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00026	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00082
9	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00087
9	March	0.00028	4.1	0.043	0.0000013	0.00031	0.0007	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0025	0.00093	0.00092
9	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00069
9	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000042	0.00019	0.00089	0.0018	0.00057	0.00047
9	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
9	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
9	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
9	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0016	0.00058	0.00059
9	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00066
9	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
9	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00078
10	January	0.00026	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00082
10	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
10	March	0.00028	4.1	0.043	0.0000013	0.00031	0.0007	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0025	0.00093	0.00092
10	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00070
10	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000042	0.00019	0.00089	0.0018	0.00057	0.00047
10	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
10	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
10	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
10	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0016	0.00058	0.00059
10	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00066
10	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
10	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00078
11	January	0.00026	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00082
11	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
11	March	0.00028	4.1	0.043	0.0000013	0.00031	0.0007	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0025	0.00093	0.00092
11	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00070
11	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000042	0.00019	0.00089	0.0018	0.00057	0.00047
11	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
11	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
11	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
11	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0016	0.00058	0.00059
11	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00066
11	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
11	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00078
12	January	0.00026	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00082
12	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
12	March	0.00028	4.1	0.043	0.0000013	0.00031	0.0007	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0025	0.00093	0.00092
12	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00070
12	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000042	0.00019	0.00089	0.0018	0.00057	0.00047
12	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
12	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
12	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
12	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0016	0.00058	0.00059
12	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00066
12	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
12	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00078
13	January	0.00026	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00082
13	February	0.00026	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
13	March	0.00028	4.1	0.043	0.0000013	0.00031	0.0007	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0025	0.00093	0.00092
13	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00070
13	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000042	0.00019	0.00089	0.0018	0.00057	0.00047
13	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
13	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
13	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0016	0.00058	0.00059
13	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0016	0.00058	0.00066
13	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
13	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00078
14	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00082
14	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00087
14	March	0.00028	4.1	0.043	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00092
14	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00086	0.00070
14	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00047
14	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
14	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
14	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
14	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00059
14	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0016	0.00058	0.00066
14	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
14	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.0008	0.0015	0.00092	0.00078
15	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00082
15	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00087
15	March	0.00028	4.1	0.043	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00092
15	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00018	0.00073	0.0024	0.00086	0.00070
15	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00047
15	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
15	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
15	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
15	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.9	0.00008	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00059
15	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0016	0.00058	0.00066
15	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00060
15	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00078
16	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
16	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
16	March	0.00028	4.1	0.043	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
16	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00068
16	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00047
16	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
16	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00050
16	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
16	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
16	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
16	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
16	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
17	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
17	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
17	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
17	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00018	0.00072	0.0024	0.00087	0.00071
17	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
17	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
17	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
17	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
17	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
17	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
17	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
17	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
18	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
18	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
18	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
18	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00018	0.00072	0.0024	0.00087	0.00071

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
18	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
18	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
18	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
18	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
18	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
18	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
18	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
19	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
19	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
19	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
19	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
19	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
19	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
19	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
19	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
19	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
19	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
19	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
19	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
20	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
20	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
20	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
20	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
20	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
20	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
20	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
20	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
20	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
20	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
20	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
20	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
21	January	0.00026	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
21	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
21	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0025	0.00093	0.00096
21	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
21	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
21	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
21	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
21	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
21	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
21	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
21	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
21	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
22	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
22	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
22	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
22	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
22	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
22	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
22	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
22	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
22	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
22	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
22	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
22	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
23	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
23	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
23	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
23	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
23	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
23	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
23	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
23	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
23	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
23	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
23	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
24	January	0.00026	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00085
24	February	0.00026	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00091
24	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00093	0.00096
24	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
24	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0017	0.00057	0.00048
24	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
24	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
24	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00077	0.0022	0.00089	0.00053
24	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00060
24	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00066	1.0	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0016	0.00058	0.00066
24	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
24	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00081
25	January	0.00026	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.00081	0.0016	0.00093	0.00085
25	February	0.00026	4.1	0.044	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000034	0.00019	0.00075	0.0025	0.00094	0.00091
25	March	0.00028	4.1	0.043	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000035	0.00019	0.00075	0.0025	0.00093	0.00096
25	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00072	0.0024	0.00087	0.00071
25	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1.0	0.0001	0.000014	0.0000051	0.00004	0.00019	0.00089	0.0017	0.00057	0.00048
25	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
25	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
25	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00077	0.0022	0.00089	0.00053
25	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00066	0.9	0.000079	0.000014	0.0000057	0.000039	0.00017	0.0007	0.0016	0.00058	0.00060
25	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.00008	0.000014	0.0000056	0.000041	0.00017	0.0007	0.0016	0.00058	0.00066
25	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00060
25	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.0008	0.0015	0.00092	0.00081
26	January	0.00026	3.1	0.02	0.0000013	0.00026	0.00087	1.2	0.000063	0.000023	0.000004	0.000022	0.00022	0.00081	0.0016	0.00093	0.00085
26	February	0.00026	4.1	0.044	0.0000013	0.00027	0.0007	1.2	0.00015	0.000023	0.000004	0.000031	0.00019	0.00075	0.0025	0.00094	0.00091
26	March	0.00028	4.1	0.043	0.0000013	0.00027	0.0007	1.2	0.00014	0.000023	0.000004	0.000033	0.00019	0.00074	0.0025	0.00093	0.00096
26	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00072	0.0024	0.00087	0.00071
26	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1.0	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0017	0.00057	0.00048
26	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1.0	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
26	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00051
26	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1.0	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00077	0.0022	0.00089	0.00053
26	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00066	0.9	0.000079	0.000014	0.0000057	0.000039	0.00017	0.0007	0.0016	0.00058	0.00060
26	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00066	0.9	0.00008	0.000014	0.0000056	0.00004	0.00017	0.0007	0.0016	0.00058	0.00066
26	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000064	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.00060
26	December	0.00025	3.1	0.02	0.0000013	0.00025	0.00086	1.2	0.000063	0.000023	0.000004	0.000022	0.00022	0.0008	0.0015	0.00092	0.00081
27	January	0.00018	3.1	0.02	0.0000013	0.00026	0.00083	1.2	0.000063	0.000023	0.0000039	0.000021	0.00022	0.00079	0.0011	0.00090	0.00085
27	February	0.00017	4.1	0.043	0.0000013	0.00027	0.00066	1.2	0.00014	0.000023	0.0000038	0.000031	0.00019	0.00072	0.002	0.00090	0.00091
27	March	0.00017	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000032	0.00019	0.00072	0.002	0.00089	0.00096
27	April	0.00017	4.0	0.041	0.0000013	0.00026	0.00064	1.2	0.00014	0.000021	0.000004	0.000032	0.00018	0.0007	0.002	0.00083	0.00071
27	May	0.00017	3.0	0.019	0.0000013	0.00019	0.00063	1.0	0.0001	0.000013	0.000005	0.000039	0.00019	0.00088	0.0016	0.00056	0.00048
27	June	0.00017	3.0	0.019	0.0000013	0.00018	0.00064	1.0	0.0001	0.000014	0.000005	0.000036	0.00019	0.0009	0.0016	0.00057	0.00037
27	July	0.00021	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00050
27	August	0.00021	3.3	0.044	0.0000013	0.00026	0.00073	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00053

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00013	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000079	0.000014	0.0000056	0.000038	0.00017	0.00069	0.0014	0.00056	0.00059
27	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000079	0.000013	0.0000056	0.000039	0.00017	0.00069	0.0014	0.00056	0.00066
27	November	0.00017	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00077	0.0011	0.00086	0.00060
27	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00078	0.0011	0.00089	0.00080
28	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.000021	0.00022	0.00079	0.0011	0.00090	0.00084
28	February	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000023	0.0000038	0.00003	0.00019	0.00072	0.002	0.00090	0.00090
28	March	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000031	0.00019	0.00072	0.002	0.00089	0.00095
28	April	0.00016	4.0	0.041	0.0000013	0.00025	0.00064	1.2	0.00014	0.000021	0.000004	0.000032	0.00018	0.0007	0.002	0.00083	0.00070
28	May	0.00016	3.0	0.019	0.0000013	0.00019	0.00063	1.0	0.0001	0.000013	0.000005	0.000038	0.00019	0.00088	0.0016	0.00056	0.00047
28	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00064	1.0	0.0001	0.000014	0.000005	0.000036	0.00019	0.00089	0.0016	0.00057	0.00036
28	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00049
28	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00052
28	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00059
28	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000079	0.000013	0.0000056	0.000039	0.00017	0.00069	0.0014	0.00056	0.00065
28	November	0.00017	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00077	0.0011	0.00086	0.00059
28	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00078	0.0011	0.00089	0.00078
29	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.000021	0.00022	0.00078	0.0011	0.00090	0.00083
29	February	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.00003	0.00019	0.00072	0.002	0.00090	0.00088
29	March	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000031	0.00019	0.00072	0.002	0.00089	0.00093
29	April	0.00016	4.0	0.041	0.0000013	0.00025	0.00064	1.2	0.00014	0.000021	0.000004	0.000031	0.00018	0.0007	0.002	0.00083	0.00069
29	May	0.00016	3.0	0.019	0.0000013	0.00019	0.00063	1.0	0.0001	0.000013	0.000005	0.000038	0.00019	0.00088	0.0016	0.00056	0.00046
29	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000014	0.000005	0.000036	0.00019	0.00089	0.0015	0.00057	0.00035
29	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00049
29	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00052
29	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00058
29	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00056	0.00064
29	November	0.00016	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00058
29	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
30	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000062	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00082
30	February	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.002	0.00090	0.00087
30	March	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00071	0.002	0.00089	0.00092
30	April	0.00015	4.0	0.041	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.000004	0.000031	0.00018	0.0007	0.002	0.00083	0.00068
30	May	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00045
30	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00034
30	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00048
30	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.002	0.00087	0.00051
30	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00057
30	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.9	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00063
30	November	0.00016	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00058
30	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00076
31	January	0.00017	3.1	0.022	0.0000013	0.00025	0.00083	1.2	0.000062	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
31	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.002	0.00090	0.00082
31	March	0.00016	4.0	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00072	0.0019	0.00089	0.00087
31	April	0.00015	4.0	0.042	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.0000039	0.000031	0.00018	0.0007	0.0019	0.00083	0.00067
31	May	0.00016	3.0	0.02	0.0000013	0.00018	0.00063	1.0	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00044
31	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
31	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.0019	0.00088	0.00047
31	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.00050
31	September	0.00012	2.9	0.017	0.0000013	0.00023	0.00064	0.9	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
31	October	0.00012	2.9	0.018	0.0000013	0.00023	0.00063	0.9	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00062
31	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
31	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
32	January	0.00017	3.1	0.023	0.0000013	0.00025	0.00083	1.2	0.000062	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
32	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.0019	0.00090	0.00082
32	March	0.00015	4.0	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00071	0.0019	0.00089	0.00087
32	April	0.00015	4.0	0.043	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.0000039	0.000031	0.00018	0.0007	0.0019	0.00083	0.00065

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00016	3.0	0.02	0.0000013	0.00018	0.00063	1.0	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00043
32	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
32	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.0019	0.00088	0.00047
32	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.00050
32	September	0.00011	2.9	0.018	0.0000013	0.00023	0.00064	0.9	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
32	October	0.00011	2.9	0.018	0.0000013	0.00023	0.00063	0.9	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00061
32	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
32	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
33	January	0.00016	3.1	0.023	0.0000013	0.00025	0.00083	1.2	0.000062	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
33	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.0019	0.00090	0.00082
33	March	0.00015	4.0	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00071	0.0019	0.00089	0.00087
33	April	0.00015	4.0	0.043	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.0000039	0.000031	0.00018	0.0007	0.0019	0.00083	0.00065
33	May	0.00015	3.0	0.02	0.0000013	0.00018	0.00063	1.0	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00043
33	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1.0	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
33	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1.0	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.0019	0.00088	0.00047
33	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1.0	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.00050
33	September	0.00011	2.9	0.018	0.0000013	0.00023	0.00064	0.9	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
33	October	0.00011	2.9	0.018	0.0000013	0.00023	0.00063	0.9	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00061
33	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
33	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
34	January	0.00016	3.0	0.026	0.0000021	0.00055	0.00079	1.4	0.00011	0.000024	0.0000044	0.000064	0.00034	0.0011	0.0014	0.00092	0.00100
34	February	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000041	0.000048	0.00024	0.00081	0.002	0.00096	0.00051
34	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.00005	0.00024	0.0008	0.002	0.00095	0.00051
34	April	0.00015	3.7	0.04	0.0000019	0.00046	0.00063	1.4	0.00017	0.000023	0.0000044	0.00006	0.00027	0.00091	0.0021	0.00086	0.00045
34	May	0.00015	2.9	0.019	0.0000017	0.00033	0.00062	1.1	0.00012	0.000015	0.0000052	0.000055	0.00025	0.001	0.0016	0.00060	0.00027
34	June	0.00016	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000049	0.00024	0.00099	0.0016	0.00060	0.00025
34	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
34	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
34	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0015	0.00061	0.00042
34	October	0.00011	2.8	0.017	0.0000017	0.00039	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0015	0.00061	0.00042
34	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
34	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
35	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00086	0.0011	0.00095	0.00047
35	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
35	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
35	April	0.00015	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
35	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
35	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
35	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
35	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
35	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0015	0.00061	0.00042
35	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0015	0.00061	0.00042
35	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
35	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
36	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00086	0.0011	0.00095	0.00047
36	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
36	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
36	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
36	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
36	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
36	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
36	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
36	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
36	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
36	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
36	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
37	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
37	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
37	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
37	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
37	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
37	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
37	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
37	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
37	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
37	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
37	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
38	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
38	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
38	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
38	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
38	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
38	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
38	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
38	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
38	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
38	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
38	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
38	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
39	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
39	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
39	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
39	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
39	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
39	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
39	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
39	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
39	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
39	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
39	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
39	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
40	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
40	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
40	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
40	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
40	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
40	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
40	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
40	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
40	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
40	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
40	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
40	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
41	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
41	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
41	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
41	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
41	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
41	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
41	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
41	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
41	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
41	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
41	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
42	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
42	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
42	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
42	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
42	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
42	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
42	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
42	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
42	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
42	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
42	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
42	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
43	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
43	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
43	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
43	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
43	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
43	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
43	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
43	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
43	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
43	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
43	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
43	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
44	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
44	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
44	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
44	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
44	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
44	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
44	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
44	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
44	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
44	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
44	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
44	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
45	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
45	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
45	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
45	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
45	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
45	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
45	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
45	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
45	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
45	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
45	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
45	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
46	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
46	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
46	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
46	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
46	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
46	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
46	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
46	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
46	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
46	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
46	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
47	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
47	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
47	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
47	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
47	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
47	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
47	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
47	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
47	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
47	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
47	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
47	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
48	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
48	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
48	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
48	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
48	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
48	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
48	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
48	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
48	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
48	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
48	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
48	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
49	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
49	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
49	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
49	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
49	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
49	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
49	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
49	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
49	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
49	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
49	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
49	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
50	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
50	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
50	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
50	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
50	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
50	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
50	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
50	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
50	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
50	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
50	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
50	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
51	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
51	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
51	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
51	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
51	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
51	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
51	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
51	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
51	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
51	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
51	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
52	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
52	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
52	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
52	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
52	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
52	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
52	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
52	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
52	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
52	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
52	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
52	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
53	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
53	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
53	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
53	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
53	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
53	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
53	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
53	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
53	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
53	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
53	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
53	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
54	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
54	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
54	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
54	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
54	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
54	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
54	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
54	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
54	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
54	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
54	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
54	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
55	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
55	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
55	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
55	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
55	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
55	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
55	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
55	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
55	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
55	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
55	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
56	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
56	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
56	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
56	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
56	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
56	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
56	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
56	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
56	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
56	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
56	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
56	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
57	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
57	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
57	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
57	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
57	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
57	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
57	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
57	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
57	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
57	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
57	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
57	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
58	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
58	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
58	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
58	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
58	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
58	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
58	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
58	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
58	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
58	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
58	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
58	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
59	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
59	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
59	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
59	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
59	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
59	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
59	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
59	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
59	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
59	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
59	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
59	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
60	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
60	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
60	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
60	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
60	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
60	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
60	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
60	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
60	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
60	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
60	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
61	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
61	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
61	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
61	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
61	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
61	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
61	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
61	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
61	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
61	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
61	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
61	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
62	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
62	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
62	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
62	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
62	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
62	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
62	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
62	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
62	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
62	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
62	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
62	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
63	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
63	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
63	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
63	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
63	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
63	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
63	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
63	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
63	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
63	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
63	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
63	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
64	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
64	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
64	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
64	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
64	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
64	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
64	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
64	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
64	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
64	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
64	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
64	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
65	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
65	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
65	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
65	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
65	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
65	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
65	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
65	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
65	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
65	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
65	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
66	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
66	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
66	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
66	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
66	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
66	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
66	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
66	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
66	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
66	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
66	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
66	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
67	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
67	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
67	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
67	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
67	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
67	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
67	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
67	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
67	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
67	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
67	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
67	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
68	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
68	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
68	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
68	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
68	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
68	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
68	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
68	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
68	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
68	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
68	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
68	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
69	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
69	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
69	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
69	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
69	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
69	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
69	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
69	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042

Table G-4: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
69	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
69	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
69	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
70	January	0.00016	3.1	0.021	0.0000016	0.00032	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00085	0.0011	0.00095	0.00047
70	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000047	0.00023	0.0008	0.002	0.00096	0.00048
70	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00067	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.0008	0.002	0.00095	0.00049
70	April	0.00014	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
70	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.00060	0.00025
70	June	0.00015	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.00060	0.00025
70	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00083	0.002	0.00089	0.00041
70	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
70	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0014	0.00061	0.00042
70	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0014	0.00061	0.00042
70	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.00040
70	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.2	0.047	0.066	0.013	0.037	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.00002	12	0.00043	0.00014	0.0011	0.46
-6	February	0.49	0.047	0.19	0.013	0.025	0.96	0.0044	0.1	0.0004	0.0023	0.000012	0.0059	0.0000057	15	0.00061	0.00015	0.001	0.47
-6	March	0.5	0.046	0.19	0.013	0.025	0.96	0.0044	0.11	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-6	April	0.5	0.043	0.17	0.011	0.025	0.95	0.0039	0.12	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.0006	0.00015	0.00098	0.48
-6	May	0.39	0.026	0.03	0.0062	0.036	0.83	0.0018	0.2	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.001	0.48
-6	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00013	0.001	0.47
-6	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00018	0.00092	0.55
-6	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0043	0.15	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00068	0.00018	0.00092	0.55
-6	September	0.49	0.045	0.05	0.0068	0.03	0.88	0.0042	0.12	0.00021	0.0021	0.000011	0.0054	0.0000025	11	0.00042	0.00013	0.00078	0.4
-6	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.12	0.00022	0.0021	0.00001	0.0054	0.0000025	11	0.00043	0.00013	0.00077	0.4
-6	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-6	December	1.2	0.046	0.065	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-5	January	1.2	0.046	0.066	0.013	0.036	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.000019	12	0.00043	0.00014	0.0011	0.46
-5	February	0.49	0.047	0.19	0.013	0.025	0.96	0.0044	0.1	0.0004	0.0023	0.000012	0.0059	0.0000057	15	0.00061	0.00015	0.001	0.47
-5	March	0.5	0.046	0.19	0.013	0.025	0.96	0.0044	0.1	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-5	April	0.51	0.044	0.17	0.012	0.025	0.94	0.0039	0.11	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.0006	0.00015	0.00098	0.48
-5	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.2	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.001	0.48
-5	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00013	0.00099	0.47
-5	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00018	0.00092	0.55
-5	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0043	0.15	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00068	0.00018	0.00092	0.55
-5	September	0.49	0.045	0.05	0.0068	0.03	0.88	0.0042	0.12	0.00021	0.0021	0.000011	0.0054	0.0000025	11	0.00042	0.00013	0.00078	0.4
-5	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.12	0.00022	0.0021	0.00001	0.0054	0.0000025	11	0.00043	0.00013	0.00077	0.4
-5	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-5	December	1.2	0.046	0.065	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-4	January	1.2	0.046	0.066	0.013	0.036	0.96	0.0044	0.13	0.0004	0.0018	0.000023	0.0062	0.000019	12	0.00043	0.00014	0.0011	0.46
-4	February	0.49	0.047	0.19	0.013	0.025	0.96	0.0044	0.1	0.0004	0.0023	0.000012	0.0059	0.0000057	15	0.00061	0.00015	0.001	0.47
-4	March	0.5	0.046	0.19	0.013	0.025	0.96	0.0044	0.1	0.00039	0.0022	0.000012	0.0059	0.0000056	15	0.0006	0.00015	0.001	0.47
-4	April	0.51	0.044	0.17	0.012	0.025	0.94	0.0039	0.11	0.00035	0.0022	0.000012	0.0057	0.0000055	15	0.0006	0.00015	0.00098	0.48
-4	May	0.39	0.026	0.03	0.0062	0.035	0.83	0.0018	0.2	0.0002	0.0018	0.000011	0.0054	0.0000047	10	0.00054	0.00013	0.001	0.48
-4	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000045	9.7	0.00053	0.00013	0.00099	0.47
-4	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000082	11	0.00068	0.00018	0.00092	0.55
-4	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0043	0.15	0.00038	0.0031	0.000013	0.0059	0.0000081	11	0.00068	0.00018	0.00092	0.55
-4	September	0.49	0.045	0.05	0.0068	0.03	0.88	0.0042	0.12	0.00021	0.0021	0.000011	0.0054	0.0000025	11	0.00042	0.00013	0.00078	0.4
-4	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.12	0.00022	0.0021	0.00001	0.0054	0.0000025	11	0.00043	0.00013	0.00077	0.4
-4	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.13	0.00037	0.0019	0.000022	0.0061	0.000018	12	0.00044	0.00014	0.0011	0.46
-4	December	1.2	0.046	0.065	0.013	0.036	0.95	0.0044	0.13	0.00039	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00014	0.0011	0.46
-3	January	1.2	0.046	0.066	0.013	0.037	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-3	February	0.49	0.047	0.19	0.013	0.025	0.96	0.0044	0.12	0.0004	0.0024	0.000012	0.0059	0.0000086	15	0.00063	0.00016	0.0011	0.48
-3	March	0.5	0.046	0.19	0.013	0.025	0.96	0.0044	0.13	0.00039	0.0024	0.000012	0.0059	0.0000091	15	0.00063	0.00016	0.0011	0.49
-3	April	0.5	0.044	0.17	0.012	0.025	0.94	0.0039	0.13	0.00035	0.0024	0.000012	0.0057	0.0000081	15	0.00062	0.00016	0.001	0.5
-3	May	0.39	0.026	0.03	0.0062	0.036	0.83	0.0018	0.2	0.0002	0.0019	0.000011	0.0054	0.0000057	10	0.00055	0.00013	0.001	0.48
-3	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.2	0.00022	0.0018	0.000011	0.0055	0.0000052	9.7	0.00053	0.00013	0.001	0.48
-3	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.000009	11	0.00068	0.00018	0.00094	0.56
-3	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0043	0.15	0.00038	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00094	0.56
-3	September	0.49	0.045	0.05	0.0068	0.03	0.88	0.0042	0.13	0.00021	0.0022	0.000011	0.0054	0.000004	11	0.00043	0.00013	0.00081	0.41
-3	October	0.49	0.044	0.048	0.0067	0.03	0.88	0.004	0.13	0.00022	0.0021	0.000011	0.0054	0.0000042	11	0.00044	0.00013	0.00081	0.41
-3	November	1.1	0.045	0.061	0.012	0.036	0.95	0.0042	0.15	0.00038	0.002	0.000022	0.0061	0.00002	12	0.00046	0.00015	0.0011	0.47
-3	December	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.15	0.00039	0.002	0.000023	0.0061	0.000021	12	0.00045	0.00015	0.0012	0.47
-2	January	1.2	0.046	0.066	0.013	0.037	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-2	February	0.49	0.047	0.19	0.013	0.025	0.96	0.0044	0.12	0.0004	0.0024	0.000012	0.0059	0.0000087	15	0.00063	0.00016	0.0011	0.48
-2	March	0.49	0.046	0.19	0.013	0.025	0.96	0.0044	0.13	0.00039	0.0025	0.000012	0.0059	0.0000092	15	0.00063	0.00016	0.0011	0.49
-2	April	0.51	0.044	0.17	0.011	0.025	0.95	0.0039	0.14	0.00035	0.0024	0.000012	0.0057	0.0000084	15	0.00062	0.00016	0.001	0.5
-2	May	0.39	0.026	0.03	0.0062	0.036	0.83	0.0018	0.2	0.0002	0.0019	0.000011	0.0054	0.0000058	10	0.00055	0.00013	0.001	0.49
-2	June	0.37	0.027	0.023	0.0065	0.036	0.83	0.0019	0.2	0.00022	0.0018	0.000011	0.0055	0.0000053	9.7	0.00053	0.00013	0.001	0.48
-2	July	0.48	0.045	0.028	0.013	0.02	0.95	0.002	0.15	0.00039	0.0031	0.000013	0.0059	0.0000091	11	0.00069	0.00018	0.00094	0.56
-2	August	0.48	0.045	0.028	0.013	0.02	0.95	0.0043	0.16	0.00038	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00018	0.00095	0.56

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.49	0.045	0.05	0.0068	0.03	0.88	0.0042	0.13	0.00021	0.0022	0.000011	0.0054	0.0000041	11	0.00043	0.00013	0.00082	0.41
-2	October	0.49	0.045	0.048	0.0067	0.03	0.88	0.004	0.13	0.00022	0.0022	0.000011	0.0054	0.0000043	11	0.00044	0.00013	0.00081	0.41
-2	November	1.1	0.045	0.062	0.012	0.036	0.95	0.0042	0.15	0.00038	0.002	0.000022	0.0061	0.00002	12	0.00045	0.00015	0.0011	0.47
-2	December	1.2	0.046	0.065	0.013	0.036	0.96	0.0044	0.15	0.00039	0.002	0.000023	0.0061	0.000022	12	0.00045	0.00015	0.0012	0.47
-1	January	1.2	0.046	0.066	0.013	0.037	0.96	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
-1	February	0.49	0.046	0.19	0.013	0.025	0.96	0.0045	0.12	0.0004	0.0024	0.000012	0.0059	0.0000088	15	0.00063	0.00016	0.0011	0.48
-1	March	0.49	0.046	0.19	0.013	0.025	0.95	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000093	15	0.00063	0.00016	0.0011	0.49
-1	April	0.49	0.044	0.18	0.012	0.025	0.94	0.0041	0.13	0.00036	0.0024	0.000012	0.0058	0.0000084	14	0.00061	0.00016	0.001	0.48
-1	May	0.37	0.026	0.023	0.0063	0.036	0.82	0.0019	0.19	0.00021	0.0019	0.000011	0.0054	0.0000057	9.8	0.00053	0.00013	0.001	0.47
-1	June	0.36	0.027	0.021	0.0066	0.036	0.82	0.0019	0.19	0.00022	0.0018	0.000011	0.0055	0.0000053	9.6	0.00053	0.00013	0.001	0.47
-1	July	0.47	0.045	0.028	0.013	0.019	0.95	0.0019	0.15	0.00039	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
-1	August	0.47	0.045	0.027	0.013	0.019	0.95	0.0043	0.15	0.00039	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
-1	September	0.47	0.045	0.051	0.0066	0.029	0.89	0.0042	0.12	0.00022	0.0021	0.00001	0.0054	0.0000041	10	0.00041	0.00013	0.00079	0.39
-1	October	0.46	0.045	0.05	0.0065	0.029	0.9	0.0041	0.12	0.00022	0.0021	0.00001	0.0054	0.0000044	10	0.00042	0.00013	0.00079	0.39
-1	November	1.2	0.045	0.063	0.013	0.036	0.98	0.0043	0.14	0.00038	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00015	0.0011	0.46
-1	December	1.2	0.046	0.065	0.013	0.036	0.98	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
1	January	1.2	0.047	0.066	0.013	0.037	0.98	0.0045	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00045	0.00015	0.0012	0.47
1	February	0.49	0.05	0.19	0.014	0.025	1.1	0.0045	0.12	0.00041	0.0024	0.000012	0.0059	0.0000088	15	0.00062	0.00016	0.0011	0.48
1	March	0.49	0.047	0.19	0.013	0.025	1.0	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00016	0.0011	0.48
1	April	0.48	0.048	0.18	0.012	0.025	1.1	0.0041	0.12	0.00037	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00016	0.001	0.47
1	May	0.36	0.029	0.022	0.0066	0.036	0.94	0.0019	0.19	0.00021	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00013	0.00099	0.47
1	June	0.36	0.028	0.021	0.0068	0.036	0.9	0.0019	0.19	0.00022	0.0018	0.000011	0.0054	0.0000053	9.6	0.00052	0.00013	0.001	0.47
1	July	0.47	0.047	0.028	0.013	0.019	1.0	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
1	August	0.47	0.048	0.028	0.013	0.019	1.0	0.0043	0.15	0.00039	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
1	September	0.47	0.048	0.051	0.0069	0.029	1.0	0.0043	0.12	0.00022	0.0021	0.00001	0.0054	0.0000041	10	0.00041	0.00013	0.00079	0.39
1	October	0.47	0.049	0.05	0.0069	0.029	1.1	0.0042	0.12	0.00022	0.0021	0.00001	0.0054	0.0000043	10	0.00042	0.00013	0.00079	0.39
1	November	1.2	0.049	0.063	0.013	0.036	1.1	0.0043	0.14	0.00039	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00015	0.0011	0.46
1	December	1.2	0.048	0.065	0.013	0.036	1.1	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
2	January	1.2	0.054	0.067	0.014	0.037	1.4	0.0045	0.15	0.00042	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00016	0.0012	0.47
2	February	0.5	0.056	0.2	0.014	0.025	1.5	0.0045	0.12	0.00042	0.0024	0.000012	0.0059	0.0000089	15	0.00062	0.00017	0.0011	0.48
2	March	0.49	0.049	0.19	0.013	0.025	1.1	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00016	0.0011	0.48
2	April	0.49	0.054	0.18	0.013	0.025	1.4	0.0041	0.12	0.00038	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00017	0.001	0.47
2	May	0.37	0.033	0.023	0.0069	0.036	1.2	0.0019	0.19	0.00022	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00013	0.00099	0.47
2	June	0.36	0.03	0.021	0.0069	0.036	1.0	0.0019	0.19	0.00023	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00013	0.001	0.47
2	July	0.47	0.049	0.028	0.013	0.019	1.1	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
2	August	0.47	0.05	0.028	0.013	0.02	1.2	0.0043	0.15	0.0004	0.0032	0.000013	0.0059	0.0000095	11	0.00068	0.00018	0.00093	0.55
2	September	0.47	0.052	0.051	0.0072	0.029	1.2	0.0043	0.12	0.00023	0.0021	0.00001	0.0054	0.0000041	10	0.00041	0.00014	0.00079	0.39
2	October	0.47	0.054	0.051	0.0073	0.029	1.4	0.0042	0.12	0.00023	0.0021	0.00001	0.0054	0.0000044	10	0.00042	0.00014	0.00079	0.39
2	November	1.2	0.053	0.064	0.013	0.036	1.3	0.0043	0.14	0.00039	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
2	December	1.2	0.05	0.065	0.013	0.036	1.1	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
3	January	1.2	0.06	0.067	0.014	0.037	1.7	0.0045	0.15	0.00042	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00017	0.0012	0.47
3	February	0.5	0.063	0.2	0.015	0.025	1.8	0.0045	0.13	0.00043	0.0024	0.000012	0.0059	0.0000089	15	0.00063	0.00018	0.0011	0.48
3	March	0.49	0.05	0.19	0.013	0.025	1.2	0.0044	0.13	0.0004	0.0025	0.000012	0.0059	0.0000094	15	0.00062	0.00016	0.0011	0.48
3	April	0.5	0.061	0.18	0.013	0.025	1.8	0.0041	0.12	0.00039	0.0024	0.000012	0.0058	0.0000084	14	0.0006	0.00018	0.001	0.47
3	May	0.37	0.038	0.023	0.0073	0.036	1.4	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000057	9.8	0.00052	0.00014	0.00099	0.47
3	June	0.36	0.033	0.021	0.0071	0.036	1.1	0.002	0.19	0.00023	0.0018	0.000011	0.0055	0.0000053	9.6	0.00052	0.00013	0.001	0.47
3	July	0.47	0.051	0.028	0.013	0.019	1.2	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000092	11	0.00068	0.00018	0.00093	0.55
3	August	0.47	0.052	0.028	0.013	0.02	1.3	0.0043	0.15	0.0004	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
3	September	0.48	0.055	0.052	0.0074	0.03	1.4	0.0043	0.12	0.00023	0.0021	0.00001	0.0054	0.0000041	10	0.00041	0.00014	0.00079	0.39
3	October	0.48	0.058	0.051	0.0076	0.03	1.6	0.0042	0.12	0.00024	0.0022	0.00001	0.0054	0.0000044	10	0.00042	0.00015	0.00079	0.39
3	November	1.2	0.056	0.064	0.013	0.036	1.5	0.0043	0.14	0.0004	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
3	December	1.2	0.051	0.065	0.013	0.037	1.2	0.0044	0.15	0.0004	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00015	0.0012	0.47
4	January	1.2	0.066	0.068	0.015	0.037	1.9	0.0045	0.15	0.00043	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00017	0.0012	0.47
4	February	0.51	0.069	0.2	0.015	0.025	2.1	0.0045	0.13	0.00044	0.0024	0.000012	0.0059	0.0000089	15	0.00063	0.00019	0.0011	0.48
4	March	0.51	0.072	0.2	0.015	0.025	2.2	0.0045	0.13	0.00044	0.0025	0.000012	0.0059	0.0000094	15	0.00063	0.00019	0.0011	0.48
4	April	0.5	0.064	0.18	0.014	0.025	1.9	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00018	0.001	0.47

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.37	0.04	0.024	0.0075	0.036	1.5	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00014	0.00099	0.47
4	June	0.36	0.034	0.021	0.0073	0.036	1.2	0.002	0.19	0.00023	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00013	0.001	0.47
4	July	0.47	0.052	0.028	0.013	0.02	1.3	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00018	0.00093	0.55
4	August	0.47	0.054	0.028	0.014	0.02	1.4	0.0044	0.15	0.0004	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
4	September	0.48	0.058	0.052	0.0077	0.03	1.5	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00014	0.00079	0.39
4	October	0.48	0.062	0.052	0.0079	0.03	1.7	0.0042	0.12	0.00024	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00015	0.00079	0.39
4	November	1.2	0.059	0.064	0.014	0.036	1.6	0.0043	0.14	0.0004	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00016	0.0011	0.46
4	December	1.2	0.069	0.068	0.015	0.037	2.1	0.0045	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
5	January	1.2	0.072	0.069	0.015	0.037	2.2	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00018	0.0012	0.47
5	February	0.52	0.076	0.2	0.016	0.025	2.3	0.0046	0.13	0.00044	0.0025	0.000012	0.0059	0.0000089	15	0.00063	0.00019	0.0011	0.48
5	March	0.52	0.079	0.2	0.016	0.025	2.5	0.0045	0.13	0.00044	0.0025	0.000012	0.0059	0.0000095	15	0.00063	0.0002	0.0011	0.48
5	April	0.5	0.065	0.18	0.014	0.025	1.9	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00018	0.001	0.47
5	May	0.38	0.042	0.024	0.0076	0.036	1.6	0.0019	0.19	0.00023	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00099	0.47
5	June	0.37	0.036	0.022	0.0074	0.036	1.3	0.002	0.19	0.00023	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00014	0.001	0.47
5	July	0.48	0.053	0.028	0.014	0.02	1.3	0.002	0.15	0.0004	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
5	August	0.48	0.056	0.029	0.014	0.02	1.5	0.0044	0.15	0.0004	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
5	September	0.48	0.061	0.053	0.0079	0.03	1.6	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000041	10	0.00041	0.00015	0.00079	0.39
5	October	0.48	0.065	0.052	0.0082	0.03	1.9	0.0042	0.12	0.00024	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00015	0.00079	0.39
5	November	1.2	0.061	0.065	0.014	0.036	1.7	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
5	December	1.2	0.074	0.068	0.015	0.037	2.3	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
6	January	1.2	0.078	0.069	0.016	0.037	2.4	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
6	February	0.52	0.082	0.2	0.016	0.025	2.6	0.0046	0.13	0.00045	0.0025	0.000012	0.0059	0.0000089	15	0.00063	0.0002	0.0011	0.48
6	March	0.52	0.086	0.2	0.016	0.025	2.8	0.0046	0.13	0.00045	0.0025	0.000012	0.0059	0.0000095	15	0.00063	0.00021	0.0011	0.48
6	April	0.5	0.069	0.18	0.014	0.025	2.1	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00018	0.001	0.47
6	May	0.38	0.045	0.024	0.0079	0.036	1.7	0.0019	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00099	0.47
6	June	0.37	0.038	0.022	0.0075	0.036	1.3	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
6	July	0.48	0.055	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
6	August	0.48	0.058	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
6	September	0.48	0.063	0.053	0.0081	0.03	1.7	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
6	October	0.49	0.069	0.053	0.0085	0.03	2.0	0.0042	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
6	November	1.2	0.064	0.065	0.014	0.036	1.8	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
6	December	1.2	0.079	0.069	0.016	0.037	2.5	0.0045	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
7	January	1.2	0.083	0.07	0.016	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
7	February	0.53	0.088	0.2	0.017	0.025	2.8	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00063	0.00021	0.0011	0.48
7	March	0.53	0.093	0.2	0.017	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00063	0.00022	0.0011	0.48
7	April	0.51	0.073	0.18	0.014	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
7	May	0.38	0.048	0.025	0.0082	0.036	1.8	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.9	0.00052	0.00015	0.00099	0.47
7	June	0.37	0.04	0.022	0.0077	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
7	July	0.48	0.056	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
7	August	0.48	0.059	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
7	September	0.48	0.066	0.053	0.0083	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
7	October	0.49	0.072	0.053	0.0087	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
7	November	1.2	0.066	0.065	0.014	0.036	1.9	0.0043	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
7	December	1.2	0.084	0.07	0.016	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
8	January	1.2	0.089	0.071	0.017	0.037	2.8	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.0002	0.0012	0.47
8	February	0.53	0.095	0.2	0.017	0.026	3.1	0.0046	0.13	0.00047	0.0025	0.000012	0.006	0.0000089	15	0.00063	0.00022	0.0011	0.48
8	March	0.53	0.1	0.2	0.017	0.026	3.3	0.0046	0.13	0.00047	0.0025	0.000012	0.0059	0.0000095	15	0.00063	0.00022	0.0011	0.48
8	April	0.51	0.077	0.18	0.015	0.025	2.4	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
8	May	0.38	0.052	0.025	0.0084	0.036	1.9	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
8	June	0.37	0.041	0.022	0.0078	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
8	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
8	August	0.48	0.061	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55
8	September	0.49	0.068	0.053	0.0084	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
8	October	0.49	0.075	0.053	0.009	0.03	2.2	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
8	November	1.2	0.068	0.066	0.014	0.036	2.0	0.0043	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
8	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	1.2	0.094	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00021	0.0012	0.47
9	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.13	0.00047	0.0025	0.000012	0.006	0.0000089	15	0.00063	0.00022	0.0011	0.48
9	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00023	0.0011	0.48
9	April	0.51	0.08	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
9	May	0.38	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
9	June	0.37	0.042	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
9	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
9	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55
9	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
9	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
9	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
9	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
10	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00021	0.0012	0.47
10	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.13	0.00047	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00022	0.0011	0.48
10	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00023	0.0011	0.48
10	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
10	May	0.39	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
10	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
10	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
10	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55
10	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
10	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
10	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
10	December	1.2	0.09	0.07	0.017	0.037	2.9	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
11	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00021	0.0012	0.47
11	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.13	0.00047	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00022	0.0011	0.48
11	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00048	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00023	0.0011	0.48
11	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
11	May	0.39	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
11	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
11	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
11	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55
11	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
11	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
11	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
11	December	1.2	0.09	0.07	0.017	0.037	2.8	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
12	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00021	0.0012	0.47
12	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.13	0.00047	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00022	0.0011	0.48
12	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00047	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00023	0.0011	0.48
12	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
12	May	0.39	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
12	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
12	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
12	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55
12	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
12	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
12	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
12	December	1.2	0.09	0.07	0.017	0.037	2.8	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
13	January	1.2	0.095	0.072	0.017	0.037	3.0	0.0046	0.15	0.00046	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00021	0.0012	0.47
13	February	0.54	0.1	0.2	0.018	0.026	3.3	0.0047	0.13	0.00047	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00022	0.0011	0.48
13	March	0.54	0.11	0.2	0.018	0.026	3.5	0.0046	0.13	0.00047	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00023	0.0011	0.48
13	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00042	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
13	May	0.39	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
13	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
13	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
13	August	0.48	0.062	0.029	0.014	0.02	1.7	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.0002	0.00094	0.55

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.49	0.069	0.054	0.0085	0.03	1.9	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
13	October	0.49	0.076	0.054	0.0091	0.03	2.3	0.0043	0.12	0.00026	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
13	November	1.2	0.069	0.066	0.015	0.036	2.0	0.0044	0.14	0.00042	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
13	December	1.2	0.09	0.07	0.017	0.037	2.8	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.0002	0.0012	0.47
14	January	1.2	0.095	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.0002	0.0012	0.47
14	February	0.53	0.1	0.2	0.018	0.026	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00021	0.0011	0.48
14	March	0.53	0.11	0.2	0.018	0.026	3.2	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00063	0.00022	0.0011	0.48
14	April	0.51	0.081	0.18	0.015	0.025	2.5	0.0042	0.12	0.00041	0.0024	0.000012	0.0059	0.0000085	15	0.0006	0.0002	0.001	0.47
14	May	0.38	0.054	0.025	0.0086	0.036	2.0	0.002	0.19	0.00025	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00016	0.00099	0.47
14	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
14	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
14	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
14	September	0.49	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
14	October	0.49	0.076	0.054	0.0091	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
14	November	1.2	0.069	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
14	December	1.2	0.09	0.07	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
15	January	1.2	0.095	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.0002	0.0012	0.47
15	February	0.53	0.1	0.2	0.018	0.026	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.006	0.000009	15	0.00063	0.00021	0.0011	0.48
15	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.006	0.0000095	15	0.00063	0.00022	0.0011	0.48
15	April	0.51	0.081	0.18	0.015	0.025	2.4	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
15	May	0.38	0.054	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.9	0.00052	0.00015	0.00099	0.47
15	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
15	July	0.48	0.058	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
15	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
15	September	0.49	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
15	October	0.49	0.076	0.054	0.0091	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00042	0.00016	0.00079	0.39
15	November	1.2	0.069	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
15	December	1.2	0.09	0.07	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
16	January	1.2	0.098	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
16	February	0.53	0.11	0.2	0.018	0.026	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
16	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
16	April	0.51	0.079	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
16	May	0.38	0.054	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
16	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
16	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
16	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
16	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
16	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
16	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
16	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
17	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
17	February	0.53	0.11	0.2	0.018	0.026	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
17	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
17	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
17	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
17	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
17	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
17	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
17	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
17	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
17	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
17	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
18	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
18	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
18	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
18	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
18	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
18	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
18	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
18	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
18	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
18	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
18	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
19	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
19	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
19	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
19	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
19	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
19	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
19	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
19	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
19	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
19	October	0.49	0.077	0.054	0.009	0.03	2.1	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
19	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
19	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
20	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
20	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
20	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
20	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
20	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
20	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
20	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
20	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
20	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
20	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
20	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
20	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
21	January	1.2	0.099	0.072	0.017	0.037	2.6	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
21	February	0.53	0.11	0.2	0.018	0.025	2.8	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
21	March	0.53	0.11	0.2	0.018	0.026	3.0	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
21	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
21	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
21	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
21	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
21	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
21	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
21	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
21	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
21	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
22	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
22	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
22	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
22	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
22	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
22	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
22	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
22	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
22	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
22	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
22	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
22	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
23	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
23	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
23	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
23	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
23	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
23	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
23	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
23	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
23	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
23	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
23	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
24	January	1.2	0.099	0.072	0.017	0.037	2.7	0.0046	0.15	0.00045	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00019	0.0012	0.47
24	February	0.53	0.11	0.2	0.018	0.025	2.9	0.0047	0.13	0.00046	0.0025	0.000012	0.0059	0.0000089	15	0.00062	0.00021	0.0011	0.48
24	March	0.53	0.11	0.2	0.018	0.026	3.1	0.0046	0.13	0.00046	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00021	0.0011	0.48
24	April	0.51	0.082	0.18	0.015	0.025	2.3	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
24	May	0.38	0.056	0.025	0.0086	0.036	1.9	0.002	0.19	0.00024	0.0019	0.000011	0.0055	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
24	June	0.37	0.043	0.022	0.0079	0.036	1.5	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.7	0.00052	0.00014	0.001	0.47
24	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
24	August	0.48	0.062	0.029	0.014	0.02	1.6	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
24	September	0.48	0.069	0.054	0.0085	0.03	1.8	0.0043	0.12	0.00025	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
24	October	0.49	0.077	0.054	0.009	0.03	2.0	0.0043	0.12	0.00025	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00016	0.00079	0.39
24	November	1.2	0.07	0.066	0.015	0.036	1.9	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
24	December	1.2	0.093	0.071	0.017	0.037	2.5	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00019	0.0012	0.47
25	January	1.2	0.099	0.072	0.017	0.037	2.3	0.0046	0.15	0.00044	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00018	0.0012	0.47
25	February	0.52	0.11	0.2	0.018	0.025	2.4	0.0047	0.13	0.00045	0.0024	0.000012	0.0059	0.0000089	15	0.00062	0.0002	0.0011	0.48
25	March	0.52	0.11	0.2	0.018	0.025	2.5	0.0046	0.13	0.00045	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.0002	0.0011	0.48
25	April	0.51	0.082	0.18	0.015	0.025	2.2	0.0042	0.12	0.00041	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00019	0.001	0.47
25	May	0.38	0.056	0.025	0.0086	0.036	1.8	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
25	June	0.37	0.043	0.022	0.0079	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00014	0.001	0.47
25	July	0.48	0.059	0.029	0.014	0.02	1.5	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
25	August	0.48	0.062	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00094	0.55
25	September	0.48	0.069	0.054	0.0085	0.03	1.7	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00015	0.00079	0.39
25	October	0.48	0.077	0.054	0.009	0.03	1.9	0.0043	0.12	0.00024	0.0022	0.00001	0.0055	0.0000044	10	0.00041	0.00015	0.00079	0.39
25	November	1.2	0.07	0.066	0.015	0.036	1.8	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
25	December	1.2	0.093	0.071	0.017	0.037	2.2	0.0046	0.15	0.00043	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00018	0.0012	0.47
26	January	1.2	0.099	0.072	0.017	0.037	1.9	0.0046	0.15	0.00043	0.002	0.000023	0.0062	0.000023	12	0.00045	0.00017	0.0012	0.47
26	February	0.51	0.11	0.2	0.018	0.025	2.0	0.0047	0.13	0.00043	0.0024	0.000012	0.0059	0.0000089	15	0.00062	0.00018	0.0011	0.48
26	March	0.51	0.11	0.2	0.018	0.025	2.1	0.0046	0.13	0.00043	0.0025	0.000012	0.0059	0.0000095	15	0.00062	0.00019	0.0011	0.48
26	April	0.5	0.082	0.18	0.015	0.025	2.0	0.0042	0.12	0.0004	0.0024	0.000012	0.0058	0.0000085	14	0.0006	0.00018	0.001	0.47
26	May	0.38	0.056	0.025	0.0086	0.036	1.6	0.002	0.19	0.00024	0.0019	0.000011	0.0054	0.0000058	9.8	0.00052	0.00015	0.00099	0.46
26	June	0.37	0.043	0.022	0.0079	0.036	1.4	0.002	0.19	0.00024	0.0018	0.000011	0.0055	0.0000054	9.6	0.00052	0.00014	0.001	0.47
26	July	0.48	0.059	0.029	0.014	0.02	1.4	0.002	0.15	0.00041	0.0032	0.000013	0.0059	0.0000093	11	0.00068	0.00019	0.00093	0.55
26	August	0.48	0.062	0.029	0.014	0.02	1.5	0.0044	0.15	0.00041	0.0032	0.000013	0.0059	0.0000096	11	0.00068	0.00019	0.00093	0.55
26	September	0.48	0.069	0.054	0.0085	0.03	1.5	0.0043	0.12	0.00024	0.0021	0.00001	0.0055	0.0000042	10	0.00041	0.00014	0.00079	0.39
26	October	0.48	0.077	0.054	0.009	0.03	1.7	0.0043	0.12	0.00024	0.0022	0.00001	0.0054	0.0000044	10	0.00041	0.00015	0.00079	0.39
26	November	1.2	0.07	0.066	0.015	0.036	1.7	0.0044	0.14	0.00041	0.002	0.000022	0.0061	0.000021	12	0.00044	0.00017	0.0011	0.46
26	December	1.2	0.093	0.071	0.017	0.037	1.8	0.0046	0.15	0.00042	0.002	0.000023	0.0062	0.000022	12	0.00044	0.00017	0.0012	0.47
27	January	1.2	0.099	0.071	0.017	0.037	1.9	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.46
27	February	0.51	0.11	0.2	0.018	0.025	2.0	0.0047	0.1	0.00043	0.0023	0.000012	0.0059	0.000006	15	0.00061	0.00018	0.001	0.47
27	March	0.52	0.11	0.2	0.018	0.025	2.1	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.000006	15	0.0006	0.00018	0.001	0.46
27	April	0.5	0.082	0.18	0.015	0.025	1.9	0.0042	0.1	0.0004	0.0023	0.000012	0.0058	0.000006	14	0.00058	0.00017	0.00097	0.45
27	May	0.37	0.056	0.025	0.0086	0.036	1.5	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000048	9.8	0.00051	0.00014	0.00097	0.46
27	June	0.37	0.043	0.022	0.0079	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0055	0.0000047	9.6	0.00052	0.00014	0.00098	0.46
27	July	0.48	0.058	0.029	0.014	0.02	1.4	0.002	0.14	0.00041	0.0031	0.000013	0.0059	0.0000085	11	0.00068	0.00019	0.00092	0.55
27	August	0.48	0.062	0.029	0.014	0.02	1.4	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000085	11	0.00067	0.00019	0.00091	0.55

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.48	0.069	0.053	0.0084	0.029	1.5	0.0043	0.11	0.00024	0.0021	0.00001	0.0055	0.0000026	10	0.0004	0.00014	0.00076	0.38
27	October	0.48	0.076	0.053	0.0089	0.029	1.7	0.0043	0.11	0.00024	0.0021	0.00001	0.0054	0.0000027	10	0.0004	0.00014	0.00075	0.38
27	November	1.2	0.069	0.066	0.014	0.036	1.6	0.0044	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00016	0.0011	0.45
27	December	1.2	0.092	0.07	0.017	0.037	1.8	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.45
28	January	1.2	0.097	0.071	0.017	0.037	1.9	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00017	0.0011	0.46
28	February	0.51	0.1	0.2	0.017	0.025	1.9	0.0047	0.1	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00018	0.001	0.47
28	March	0.51	0.11	0.2	0.018	0.025	2.1	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00018	0.001	0.46
28	April	0.5	0.081	0.18	0.015	0.025	1.8	0.0042	0.1	0.00039	0.0023	0.000012	0.0058	0.0000059	14	0.00058	0.00017	0.00097	0.45
28	May	0.37	0.055	0.025	0.0085	0.036	1.5	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000047	9.8	0.00051	0.00014	0.00096	0.46
28	June	0.37	0.042	0.022	0.0078	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0055	0.0000046	9.6	0.00052	0.00013	0.00098	0.46
28	July	0.48	0.057	0.029	0.014	0.019	1.3	0.002	0.14	0.00041	0.0031	0.000013	0.0059	0.0000084	11	0.00068	0.00018	0.00092	0.55
28	August	0.48	0.061	0.029	0.014	0.02	1.4	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000084	11	0.00067	0.00019	0.00091	0.54
28	September	0.48	0.068	0.053	0.0084	0.029	1.5	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
28	October	0.48	0.075	0.053	0.0088	0.029	1.6	0.0043	0.11	0.00024	0.002	0.00001	0.0054	0.0000026	10	0.0004	0.00014	0.00075	0.38
28	November	1.2	0.068	0.065	0.014	0.036	1.6	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00016	0.0011	0.45
28	December	1.2	0.091	0.07	0.016	0.037	1.8	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
29	January	1.2	0.096	0.071	0.017	0.037	1.8	0.0046	0.13	0.00043	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.46
29	February	0.51	0.1	0.2	0.017	0.025	1.9	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000059	15	0.0006	0.00017	0.001	0.46
29	March	0.51	0.11	0.2	0.018	0.025	2.0	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00018	0.001	0.46
29	April	0.5	0.08	0.18	0.015	0.025	1.7	0.0042	0.1	0.00039	0.0023	0.000012	0.0058	0.0000058	14	0.00058	0.00017	0.00096	0.45
29	May	0.37	0.053	0.024	0.0084	0.036	1.4	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000046	9.8	0.00051	0.00014	0.00096	0.46
29	June	0.36	0.041	0.022	0.0077	0.036	1.2	0.002	0.18	0.00023	0.0018	0.000011	0.0055	0.0000046	9.6	0.00052	0.00013	0.00098	0.46
29	July	0.47	0.056	0.029	0.014	0.019	1.3	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000084	11	0.00068	0.00018	0.00092	0.55
29	August	0.47	0.06	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00067	0.00018	0.00091	0.54
29	September	0.48	0.067	0.053	0.0083	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
29	October	0.48	0.074	0.053	0.0088	0.029	1.5	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
29	November	1.2	0.068	0.065	0.014	0.036	1.5	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
29	December	1.2	0.089	0.07	0.016	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
30	January	1.2	0.094	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
30	February	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
30	March	0.51	0.11	0.2	0.018	0.025	1.9	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
30	April	0.49	0.079	0.18	0.015	0.025	1.6	0.0042	0.1	0.00039	0.0022	0.000012	0.0058	0.0000057	14	0.00058	0.00016	0.00096	0.45
30	May	0.37	0.052	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000046	9.8	0.00051	0.00014	0.00096	0.46
30	June	0.36	0.04	0.022	0.0076	0.036	1.2	0.002	0.18	0.00023	0.0018	0.000011	0.0055	0.0000045	9.6	0.00052	0.00013	0.00098	0.46
30	July	0.47	0.056	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
30	August	0.47	0.059	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00067	0.00018	0.00091	0.54
30	September	0.48	0.067	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00013	0.00075	0.38
30	October	0.48	0.074	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000025	10	0.0004	0.00014	0.00075	0.38
30	November	1.2	0.067	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
30	December	1.2	0.088	0.07	0.016	0.037	1.6	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
31	January	1.2	0.09	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
31	February	0.51	0.095	0.2	0.017	0.025	1.7	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000058	15	0.0006	0.00017	0.001	0.46
31	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.1	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
31	April	0.49	0.077	0.18	0.015	0.025	1.6	0.0042	0.1	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45
31	May	0.37	0.051	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000045	9.8	0.00051	0.00013	0.00096	0.46
31	June	0.36	0.039	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000045	9.6	0.00052	0.00013	0.00098	0.46
31	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
31	August	0.47	0.058	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
31	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00013	0.00075	0.38
31	October	0.48	0.071	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00075	0.38
31	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
31	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
32	January	1.2	0.089	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
32	February	0.51	0.095	0.2	0.017	0.025	1.7	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
32	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.1	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
32	April	0.49	0.075	0.18	0.015	0.025	1.6	0.0042	0.1	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.37	0.05	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000045	9.8	0.00051	0.00013	0.00096	0.46
32	June	0.36	0.038	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000044	9.6	0.00052	0.00013	0.00098	0.46
32	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
32	August	0.47	0.058	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
32	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000023	10	0.0004	0.00013	0.00075	0.38
32	October	0.48	0.071	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00075	0.38
32	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
32	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
33	January	1.2	0.089	0.071	0.017	0.037	1.7	0.0046	0.13	0.00042	0.0019	0.000023	0.0062	0.00002	12	0.00043	0.00016	0.0011	0.45
33	February	0.51	0.095	0.2	0.017	0.025	1.7	0.0046	0.1	0.00043	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
33	March	0.51	0.1	0.2	0.017	0.025	1.8	0.0046	0.1	0.00042	0.0023	0.000012	0.0059	0.0000057	15	0.0006	0.00017	0.001	0.46
33	April	0.49	0.075	0.18	0.015	0.025	1.6	0.0042	0.1	0.00039	0.0022	0.000012	0.0058	0.0000056	14	0.00058	0.00016	0.00096	0.45
33	May	0.37	0.05	0.024	0.0083	0.036	1.3	0.002	0.18	0.00023	0.0018	0.000011	0.0054	0.0000044	9.8	0.00051	0.00013	0.00096	0.46
33	June	0.36	0.038	0.022	0.0076	0.036	1.1	0.002	0.18	0.00023	0.0018	0.00001	0.0055	0.0000044	9.6	0.00052	0.00013	0.00098	0.46
33	July	0.47	0.055	0.029	0.014	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0059	0.0000083	11	0.00068	0.00018	0.00091	0.55
33	August	0.47	0.058	0.029	0.014	0.019	1.3	0.0044	0.14	0.0004	0.0031	0.000013	0.0059	0.0000082	11	0.00067	0.00018	0.00091	0.54
33	September	0.48	0.065	0.053	0.0082	0.029	1.3	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000023	10	0.0004	0.00013	0.00075	0.38
33	October	0.48	0.071	0.053	0.0087	0.029	1.4	0.0043	0.11	0.00023	0.002	0.00001	0.0054	0.0000024	10	0.0004	0.00014	0.00074	0.38
33	November	1.2	0.065	0.065	0.014	0.036	1.4	0.0043	0.13	0.0004	0.0019	0.000022	0.0061	0.000019	12	0.00043	0.00015	0.0011	0.45
33	December	1.2	0.085	0.07	0.016	0.037	1.6	0.0045	0.13	0.00042	0.0019	0.000023	0.0062	0.000019	12	0.00043	0.00016	0.0011	0.45
34	January	1.5	0.12	0.072	0.018	0.034	2.6	0.0043	0.12	0.00045	0.0019	0.000022	0.0068	0.000017	12	0.00053	0.00018	0.0012	0.41
34	February	0.73	0.059	0.19	0.013	0.025	2.0	0.0044	0.1	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
34	March	0.74	0.06	0.19	0.013	0.025	2.1	0.0044	0.1	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00019	0.001	0.46
34	April	0.78	0.052	0.17	0.012	0.023	1.7	0.0039	0.094	0.0004	0.0022	0.000012	0.0064	0.0000058	14	0.00063	0.00016	0.001	0.42
34	May	0.55	0.031	0.024	0.0064	0.034	1.3	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000047	9.8	0.00055	0.00013	0.001	0.43
34	June	0.5	0.03	0.022	0.0066	0.035	1.1	0.0019	0.17	0.00024	0.0018	0.000011	0.0057	0.0000046	9.6	0.00054	0.00013	0.001	0.44
34	July	0.57	0.048	0.028	0.013	0.019	1.2	0.002	0.14	0.0004	0.0031	0.000013	0.0061	0.0000082	11	0.00069	0.00018	0.00093	0.53
34	August	0.64	0.049	0.029	0.012	0.019	1.4	0.0042	0.13	0.00041	0.003	0.000013	0.0063	0.0000082	11	0.0007	0.00018	0.00093	0.52
34	September	0.71	0.049	0.051	0.0065	0.028	1.5	0.0041	0.1	0.00025	0.002	0.000011	0.006	0.0000027	10	0.00046	0.00013	0.0008	0.36
34	October	0.7	0.049	0.05	0.0064	0.028	1.4	0.004	0.1	0.00025	0.002	0.000011	0.006	0.0000028	10	0.00045	0.00013	0.00079	0.36
34	November	1.2	0.047	0.063	0.013	0.036	1.2	0.0042	0.12	0.00039	0.0019	0.000022	0.0063	0.000019	12	0.00044	0.00014	0.0011	0.44
34	December	1.4	0.053	0.065	0.013	0.036	1.6	0.0044	0.13	0.00042	0.0018	0.000023	0.0068	0.00002	12	0.00045	0.00016	0.0011	0.45
35	January	1.4	0.055	0.066	0.013	0.036	1.7	0.0044	0.13	0.00043	0.0018	0.000023	0.0069	0.00002	12	0.00046	0.00017	0.0011	0.45
35	February	0.72	0.056	0.19	0.013	0.025	1.9	0.0044	0.1	0.00044	0.0022	0.000012	0.0067	0.000006	15	0.00063	0.00018	0.001	0.46
35	March	0.74	0.057	0.19	0.013	0.024	2.0	0.0044	0.1	0.00044	0.0022	0.000012	0.0068	0.000006	15	0.00063	0.00018	0.001	0.46
35	April	0.83	0.052	0.17	0.011	0.024	1.9	0.0039	0.096	0.0004	0.0022	0.000012	0.0066	0.0000058	14	0.00064	0.00017	0.001	0.42
35	May	0.56	0.03	0.024	0.0063	0.034	1.2	0.0019	0.17	0.00024	0.0018	0.000011	0.0058	0.0000046	9.8	0.00055	0.00013	0.001	0.43
35	June	0.59	0.03	0.024	0.0066	0.034	1.6	0.0019	0.17	0.00027	0.0018	0.000011	0.0059	0.000012	9.9	0.00053	0.00016	0.00099	0.43
35	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00043	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00021	0.00092	0.52
35	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
35	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000023	11	0.00044	0.00022	0.0008	0.33
35	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
35	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
35	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
36	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
36	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
36	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
36	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.0006	0.00028	0.00098	0.38
36	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.41
36	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
36	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000018	11	0.00067	0.00022	0.00092	0.51
36	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
36	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000023	11	0.00044	0.00022	0.0008	0.33
36	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
36	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
36	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
37	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
37	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
37	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.0006	0.00028	0.00098	0.38
37	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.41
37	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
37	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000018	11	0.00067	0.00022	0.00092	0.51
37	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
37	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000023	11	0.00044	0.00022	0.0008	0.33
37	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
37	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
37	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
38	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
38	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
38	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
38	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.0006	0.00028	0.00098	0.38
38	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.41
38	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
38	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
38	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
38	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
38	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
38	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
38	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
39	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
39	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
39	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
39	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.0006	0.00028	0.00098	0.38
39	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.41
39	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
39	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
39	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
39	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
39	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
39	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
39	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
40	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
40	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
40	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
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40	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
41	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
41	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
41	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
41	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.0006	0.00028	0.00098	0.38
41	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.41
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41	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
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41	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
42	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
42	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
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46	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
46	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
46	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
46	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
46	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
46	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
46	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
46	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
47	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
47	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
47	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
47	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
47	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
47	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
47	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
47	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
47	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
47	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
47	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
47	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
48	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
48	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
48	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
48	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
48	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
48	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
48	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
48	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
48	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
48	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
48	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
48	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
49	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
49	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
49	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
49	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
49	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
49	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
49	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
49	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
49	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
49	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
49	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
49	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
50	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
50	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
50	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
50	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
50	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
50	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
50	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
50	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
50	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
50	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
50	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
50	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
51	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
51	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
51	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
51	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
51	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
51	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
51	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
51	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
51	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
51	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
51	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
52	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
52	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
52	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
52	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
52	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
52	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
52	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
52	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
52	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
52	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
52	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
52	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
53	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
53	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
53	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
53	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
53	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
53	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
53	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
53	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
53	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
53	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
53	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
53	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
54	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
54	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
54	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
54	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
54	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
54	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
54	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
54	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
54	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
54	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
54	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
54	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
55	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
55	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
55	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
55	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
55	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
55	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
55	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
55	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
55	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
55	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
55	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
56	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
56	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
56	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
56	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
56	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
56	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
56	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
56	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
56	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
56	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
56	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
56	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
57	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
57	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
57	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
57	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
57	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
57	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
57	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
57	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
57	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
57	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
57	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
57	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
58	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
58	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
58	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
58	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
58	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
58	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
58	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
58	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
58	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
58	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
58	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
58	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
59	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
59	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
59	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
59	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
59	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
59	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
59	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
59	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
59	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
59	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
59	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
59	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
60	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
60	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
60	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
60	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
60	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
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60	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
60	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
60	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
60	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
60	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
61	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
61	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
61	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
61	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
61	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
61	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
61	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
61	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
61	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
61	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
61	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
61	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
62	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
62	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
62	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
62	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
62	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
62	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
62	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
62	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
62	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
62	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
62	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
62	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
63	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
63	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
63	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
63	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
63	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
63	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
63	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
63	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
63	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
63	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
63	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
63	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
64	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
64	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
64	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
64	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
64	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
64	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
64	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
64	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
64	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
64	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
64	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
64	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
65	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
65	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
65	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
65	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
65	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
65	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
65	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
65	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
65	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
65	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
65	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
66	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
66	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
66	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
66	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
66	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
66	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
66	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
66	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
66	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
66	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
66	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
66	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
67	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
67	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
67	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
67	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
67	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
67	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
67	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
67	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
67	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
67	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
67	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
67	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
68	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
68	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
68	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
68	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
68	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
68	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
68	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
68	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
68	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
68	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
68	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
68	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
69	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
69	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
69	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
69	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
69	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
69	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
69	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
69	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
69	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
69	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
69	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44
70	January	1.4	0.055	0.067	0.013	0.036	2.2	0.0044	0.12	0.00045	0.0019	0.000023	0.0069	0.000026	12	0.00045	0.0002	0.0011	0.44
70	February	0.79	0.056	0.19	0.013	0.024	2.3	0.0044	0.098	0.00046	0.0023	0.000012	0.0068	0.000013	15	0.00062	0.00021	0.001	0.45
70	March	0.82	0.057	0.19	0.013	0.024	2.5	0.0043	0.097	0.00046	0.0023	0.000012	0.0069	0.000014	15	0.00062	0.00022	0.00099	0.44
70	April	1.1	0.053	0.16	0.011	0.023	3.6	0.0037	0.087	0.0005	0.0023	0.000011	0.0069	0.000033	15	0.00059	0.00028	0.00098	0.38
70	May	0.74	0.032	0.029	0.0065	0.033	2.3	0.0019	0.16	0.00031	0.0019	0.00001	0.0061	0.000022	10	0.00053	0.0002	0.00098	0.4
70	June	0.66	0.031	0.026	0.0067	0.034	2.1	0.0019	0.17	0.0003	0.0019	0.00001	0.006	0.000019	10	0.00053	0.00019	0.00099	0.42
70	July	0.67	0.048	0.031	0.013	0.019	1.8	0.002	0.13	0.00044	0.0031	0.000012	0.0062	0.000017	11	0.00067	0.00022	0.00092	0.51
70	August	0.78	0.049	0.032	0.012	0.019	2.2	0.0041	0.13	0.00045	0.0031	0.000012	0.0064	0.000021	11	0.00067	0.00023	0.00092	0.5
70	September	0.91	0.05	0.054	0.0068	0.027	2.7	0.004	0.094	0.00033	0.0021	0.00001	0.0063	0.000022	11	0.00044	0.00022	0.0008	0.33
70	October	0.9	0.05	0.053	0.0067	0.027	2.7	0.0039	0.094	0.00033	0.0021	0.00001	0.0062	0.000022	11	0.00043	0.00021	0.00079	0.33
70	November	1.3	0.047	0.063	0.012	0.035	1.5	0.0042	0.12	0.00041	0.0019	0.000022	0.0064	0.000024	12	0.00043	0.00017	0.0011	0.43
70	December	1.4	0.053	0.066	0.013	0.036	2.0	0.0044	0.12	0.00044	0.0019	0.000023	0.0068	0.000025	12	0.00044	0.00019	0.0011	0.44

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.000064	0.000023	0.0000038	0.000015	0.00022	0.00079	0.0011	0.00089	0.0004
-6	February	0.00016	4.1	0.043	0.0000013	0.00024	0.00066	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00073	0.0019	0.00089	0.0004
-6	March	0.00015	4.1	0.043	0.0000013	0.00024	0.00066	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00073	0.0019	0.00088	0.00039
-6	April	0.00015	4.0	0.043	0.0000013	0.00023	0.00066	1.2	0.00014	0.000021	0.000004	0.000028	0.0002	0.00074	0.002	0.0008	0.00037
-6	May	0.00016	3.0	0.021	0.0000015	0.00018	0.00067	1	0.0001	0.000013	0.000005	0.000035	0.0002	0.00093	0.0016	0.00057	0.00023
-6	June	0.00016	3.0	0.02	0.0000015	0.00017	0.00065	1	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-6	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00079	0.0019	0.00088	0.00039
-6	August	0.00019	3.4	0.045	0.0000014	0.00025	0.00074	1	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00079	0.0019	0.00086	0.00039
-6	September	0.00012	3.1	0.018	0.0000014	0.00023	0.00066	0.95	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00072	0.0013	0.00056	0.00039
-6	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	0.98	0.000077	0.000014	0.0000055	0.000038	0.00019	0.00072	0.0013	0.00056	0.00038
-6	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00039
-6	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00079	0.0011	0.00088	0.00039
-5	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.000062	0.000023	0.0000038	0.000015	0.00022	0.00079	0.0011	0.00089	0.0004
-5	February	0.00015	4.1	0.043	0.0000013	0.00024	0.00065	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00072	0.0019	0.00089	0.0004
-5	March	0.00015	4.1	0.043	0.0000013	0.00024	0.00065	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00072	0.0019	0.00088	0.00039
-5	April	0.00015	4.0	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000021	0.000004	0.000028	0.00019	0.00074	0.002	0.0008	0.00037
-5	May	0.00016	3.0	0.021	0.0000015	0.00018	0.00067	1	0.0001	0.000013	0.000005	0.000035	0.0002	0.00093	0.0016	0.00057	0.00023
-5	June	0.00016	3.0	0.02	0.0000015	0.00017	0.00065	1	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-5	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00079	0.0019	0.00088	0.00039
-5	August	0.00019	3.4	0.045	0.0000014	0.00025	0.00074	1	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00079	0.0019	0.00086	0.00039
-5	September	0.00012	3.1	0.018	0.0000014	0.00023	0.00066	0.95	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00072	0.0013	0.00056	0.00039
-5	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	0.98	0.000077	0.000014	0.0000055	0.000038	0.00019	0.00072	0.0013	0.00056	0.00038
-5	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00039
-5	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00079	0.0011	0.00088	0.00039
-4	January	0.00016	3.2	0.02	0.0000013	0.00023	0.00083	1.1	0.000062	0.000023	0.0000038	0.000015	0.00022	0.00079	0.0011	0.00089	0.0004
-4	February	0.00015	4.1	0.043	0.0000013	0.00024	0.00065	1.2	0.00014	0.000023	0.0000038	0.000024	0.00019	0.00072	0.0019	0.00089	0.0004
-4	March	0.00015	4.1	0.043	0.0000013	0.00024	0.00065	1.2	0.00014	0.000022	0.0000038	0.000025	0.00019	0.00072	0.0019	0.00088	0.00039
-4	April	0.00015	4.0	0.043	0.0000013	0.00023	0.00065	1.2	0.00014	0.000021	0.000004	0.000028	0.00019	0.00074	0.002	0.0008	0.00037
-4	May	0.00016	3.0	0.021	0.0000015	0.00018	0.00067	1	0.0001	0.000013	0.000005	0.000035	0.0002	0.00093	0.0016	0.00057	0.00023
-4	June	0.00016	3.0	0.02	0.0000015	0.00017	0.00065	1	0.0001	0.000013	0.000005	0.000034	0.0002	0.00092	0.0015	0.00058	0.00023
-4	July	0.00019	3.3	0.044	0.0000014	0.00024	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00079	0.0019	0.00088	0.00039
-4	August	0.00019	3.4	0.045	0.0000014	0.00025	0.00074	1	0.00011	0.000022	0.0000037	0.000019	0.00016	0.00079	0.0019	0.00086	0.00039
-4	September	0.00012	3.1	0.018	0.0000014	0.00023	0.00066	0.95	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00072	0.0013	0.00056	0.00039
-4	October	0.00012	3.1	0.018	0.0000013	0.00023	0.00065	0.98	0.000077	0.000014	0.0000055	0.000038	0.00019	0.00072	0.0013	0.00056	0.00038
-4	November	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.2	0.000062	0.000022	0.0000039	0.000019	0.00022	0.00079	0.0011	0.00085	0.00039
-4	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00082	1.1	0.00006	0.000022	0.0000038	0.000016	0.00022	0.00079	0.0011	0.00088	0.00039
-3	January	0.00025	3.2	0.02	0.0000013	0.00023	0.00087	1.1	0.000063	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00092	0.0004
-3	February	0.00025	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.0000039	0.000025	0.00019	0.00075	0.0024	0.00093	0.0004
-3	March	0.00027	4.1	0.043	0.0000013	0.00024	0.00071	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00075	0.0025	0.00092	0.00039
-3	April	0.00024	4.0	0.043	0.0000013	0.00023	0.00069	1.2	0.00014	0.000022	0.0000041	0.000029	0.00019	0.00076	0.0024	0.00084	0.00037
-3	May	0.00019	3.0	0.021	0.0000015	0.00018	0.00068	1	0.0001	0.000013	0.000005	0.000035	0.0002	0.00094	0.0018	0.00058	0.00023
-3	June	0.00018	3.0	0.02	0.0000015	0.00017	0.00066	1	0.0001	0.000014	0.000005	0.000034	0.0002	0.00093	0.0016	0.00059	0.00023
-3	July	0.00022	3.3	0.044	0.0000014	0.00024	0.00076	1	0.00011	0.000022	0.0000037	0.000017	0.00015	0.00079	0.0021	0.00089	0.00039
-3	August	0.00023	3.4	0.045	0.0000014	0.00025	0.00076	1	0.00011	0.000022	0.0000037	0.000019	0.00016	0.0008	0.0021	0.00088	0.00039
-3	September	0.00017	3.1	0.019	0.0000014	0.00023	0.00068	0.95	0.000079	0.000014	0.0000056	0.000038	0.00019	0.00074	0.0016	0.00058	0.00039
-3	October	0.00017	3.1	0.018	0.0000013	0.00023	0.00068	0.98	0.000078	0.000014	0.0000056	0.000038	0.00019	0.00074	0.0016	0.00059	0.00038
-3	November	0.00023	3.3	0.02	0.0000013	0.00023	0.00084	1.2	0.000062	0.000022	0.000004	0.00002	0.00022	0.00081	0.0014	0.00088	0.00039
-3	December	0.00024	3.2	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.000004	0.000017	0.00022	0.00081	0.0015	0.00091	0.00039
-2	January	0.00026	3.2	0.02	0.0000013	0.00023	0.00087	1.1	0.000062	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00093	0.0004
-2	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000025	0.00019	0.00075	0.0024	0.00093	0.0004
-2	March	0.00028	4.1	0.043	0.0000013	0.00024	0.00071	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00075	0.0025	0.00093	0.00039
-2	April	0.00025	4.0	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000022	0.0000041	0.00003	0.00019	0.00077	0.0025	0.00084	0.00037
-2	May	0.00019	3.0	0.021	0.0000016	0.00018	0.00068	1.1	0.0001	0.000013	0.000005	0.000036	0.0002	0.00094	0.0018	0.00058	0.00023
-2	June	0.00018	3.0	0.02	0.0000015	0.00017	0.00066	1	0.0001	0.000014	0.000005	0.000034	0.0002	0.00093	0.0017	0.00059	0.00023
-2	July	0.00022	3.4	0.045	0.0000014	0.00024	0.00076	1	0.00011	0.000022	0.0000037	0.000017	0.00015	0.0008	0.0021	0.00089	0.00039
-2	August	0.00024	3.4	0.045	0.0000014	0.00025	0.00076	1	0.00011	0.000022	0.0000037	0.00002	0.00016	0.0008	0.0021	0.00088	0.00039

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00017	3.1	0.019	0.0000014	0.00023	0.00068	0.96	0.000079	0.000014	0.0000056	0.000039	0.00019	0.00074	0.0016	0.00059	0.00039
-2	October	0.00018	3.1	0.018	0.0000013	0.00023	0.00068	0.98	0.000078	0.000014	0.0000056	0.000039	0.00019	0.00074	0.0016	0.00059	0.00038
-2	November	0.00023	3.2	0.02	0.0000013	0.00023	0.00084	1.2	0.000062	0.000022	0.000004	0.00002	0.00022	0.00081	0.0015	0.00088	0.00039
-2	December	0.00024	3.2	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.000004	0.000017	0.00022	0.00081	0.0015	0.00091	0.00039
-1	January	0.00026	3.2	0.02	0.0000013	0.00023	0.00087	1.1	0.000062	0.000023	0.0000039	0.000016	0.00022	0.00081	0.0015	0.00093	0.0004
-1	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000025	0.00019	0.00075	0.0024	0.00093	0.0004
-1	March	0.00028	4.1	0.043	0.0000013	0.00023	0.00071	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00075	0.0025	0.00093	0.00039
-1	April	0.00025	4.0	0.042	0.0000013	0.00023	0.00068	1.2	0.00014	0.000022	0.0000041	0.000028	0.00018	0.00074	0.0024	0.00086	0.00038
-1	May	0.0002	3.0	0.019	0.0000014	0.00017	0.00066	1	0.0001	0.000014	0.0000051	0.000035	0.00019	0.0009	0.0017	0.00058	0.00023
-1	June	0.00019	3.0	0.019	0.0000014	0.00017	0.00065	1	0.0001	0.000014	0.000005	0.000034	0.00019	0.00091	0.0017	0.00058	0.00023
-1	July	0.00023	3.3	0.044	0.0000013	0.00024	0.00075	1	0.00011	0.000022	0.0000036	0.000016	0.00015	0.00078	0.0021	0.00089	0.00039
-1	August	0.00024	3.3	0.044	0.0000013	0.00024	0.00075	0.99	0.00011	0.000022	0.0000037	0.000017	0.00015	0.00078	0.0022	0.00089	0.00039
-1	September	0.00018	2.9	0.017	0.0000013	0.00021	0.00067	0.92	0.000077	0.000014	0.0000056	0.000035	0.00017	0.00071	0.0016	0.00058	0.00039
-1	October	0.00018	2.9	0.017	0.0000013	0.00021	0.00067	0.93	0.000078	0.000014	0.0000056	0.000036	0.00017	0.00071	0.0016	0.00058	0.00039
-1	November	0.00024	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000062	0.000022	0.000004	0.000019	0.00022	0.00079	0.0015	0.00089	0.00039
-1	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000017	0.00022	0.0008	0.0015	0.00092	0.0004
1	January	0.00026	3.1	0.02	0.0000013	0.00023	0.00087	1.1	0.000061	0.000023	0.000004	0.000016	0.00022	0.00081	0.0016	0.00093	0.0004
1	February	0.00026	4.1	0.044	0.0000013	0.00024	0.0007	1.2	0.00014	0.000023	0.000004	0.000026	0.00019	0.00074	0.0025	0.00093	0.00043
1	March	0.00028	4.1	0.043	0.0000013	0.00024	0.00071	1.2	0.00014	0.000023	0.000004	0.000026	0.00018	0.00075	0.0026	0.00093	0.0004
1	April	0.00025	4.0	0.042	0.0000013	0.00023	0.00068	1.2	0.00014	0.000022	0.0000041	0.000029	0.00018	0.00073	0.0024	0.00086	0.00041
1	May	0.0002	3.0	0.019	0.0000013	0.00017	0.00065	1	0.0001	0.000014	0.0000051	0.000036	0.00019	0.00089	0.0017	0.00057	0.00025
1	June	0.00019	3.0	0.019	0.0000013	0.00017	0.00065	1	0.0001	0.000014	0.000005	0.000034	0.00019	0.0009	0.0017	0.00058	0.00024
1	July	0.00023	3.3	0.044	0.0000013	0.00024	0.00075	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0021	0.00089	0.0004
1	August	0.00024	3.3	0.044	0.0000013	0.00024	0.00075	1	0.00011	0.000022	0.0000037	0.000018	0.00015	0.00078	0.0022	0.00089	0.00041
1	September	0.00017	2.9	0.017	0.0000013	0.00022	0.00067	0.92	0.000078	0.000014	0.0000056	0.000036	0.00017	0.00071	0.0016	0.00058	0.00042
1	October	0.00018	2.9	0.017	0.0000013	0.00022	0.00067	0.93	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00071	0.0016	0.00058	0.00042
1	November	0.00024	3.1	0.02	0.0000013	0.00023	0.00084	1.1	0.000062	0.000022	0.000004	0.00002	0.00022	0.00079	0.0015	0.00089	0.00042
1	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000017	0.00022	0.0008	0.0015	0.00092	0.00041
2	January	0.00027	3.1	0.02	0.0000013	0.00024	0.00087	1.2	0.000062	0.000023	0.000004	0.000019	0.00022	0.00081	0.0016	0.00093	0.00047
2	February	0.00026	4.1	0.044	0.0000013	0.00025	0.0007	1.2	0.00014	0.000023	0.000004	0.000028	0.00019	0.00074	0.0025	0.00094	0.00048
2	March	0.00028	4.1	0.043	0.0000013	0.00024	0.00071	1.2	0.00014	0.000023	0.000004	0.000027	0.00018	0.00074	0.0026	0.00093	0.00042
2	April	0.00025	4.0	0.042	0.0000013	0.00024	0.00068	1.2	0.00014	0.000022	0.0000041	0.000031	0.00018	0.00073	0.0024	0.00086	0.00047
2	May	0.0002	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.00019	0.00089	0.0017	0.00057	0.00029
2	June	0.00019	3.0	0.019	0.0000013	0.00017	0.00065	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.0009	0.0017	0.00058	0.00026
2	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00078	0.0021	0.00089	0.00042
2	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000037	0.000019	0.00015	0.00078	0.0022	0.00089	0.00043
2	September	0.00018	2.9	0.017	0.0000013	0.00022	0.00067	0.93	0.000078	0.000014	0.0000056	0.000037	0.00018	0.00071	0.0016	0.00058	0.00045
2	October	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.94	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.00046
2	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000021	0.00022	0.00079	0.0015	0.00089	0.00045
2	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000018	0.00022	0.0008	0.0015	0.00092	0.00043
3	January	0.00027	3.1	0.02	0.0000013	0.00025	0.00087	1.2	0.000063	0.000023	0.000004	0.000021	0.00022	0.00081	0.0016	0.00093	0.00052
3	February	0.00026	4.1	0.044	0.0000013	0.00026	0.0007	1.2	0.00014	0.000023	0.000004	0.00003	0.00019	0.00075	0.0025	0.00094	0.00054
3	March	0.00028	4.1	0.043	0.0000013	0.00024	0.00071	1.2	0.00014	0.000023	0.000004	0.000027	0.00018	0.00074	0.0026	0.00093	0.00043
3	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000033	0.00018	0.00073	0.0024	0.00086	0.00052
3	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.00019	0.00089	0.0017	0.00057	0.00032
3	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.0009	0.0017	0.00058	0.00028
3	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00043
3	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000037	0.000019	0.00015	0.00078	0.0022	0.00089	0.00045
3	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.93	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.00047
3	October	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.94	0.000079	0.000014	0.0000056	0.00004	0.00018	0.00071	0.0016	0.00058	0.0005
3	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.00048
3	December	0.00025	3.1	0.02	0.0000013	0.00023	0.00086	1.1	0.000061	0.000023	0.0000039	0.000018	0.00022	0.0008	0.0015	0.00092	0.00044
4	January	0.00027	3.1	0.02	0.0000013	0.00025	0.00087	1.2	0.000063	0.000023	0.000004	0.000022	0.00022	0.00081	0.0016	0.00093	0.00056
4	February	0.00027	4.1	0.044	0.0000013	0.00027	0.0007	1.2	0.00015	0.000023	0.000004	0.000031	0.00019	0.00075	0.0025	0.00094	0.00059
4	March	0.00028	4.1	0.043	0.0000013	0.00027	0.00071	1.2	0.00014	0.000023	0.000004	0.000033	0.00019	0.00075	0.0026	0.00093	0.00062
4	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00055

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0018	0.00057	0.00035
4	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.0000051	0.000036	0.00019	0.0009	0.0017	0.00058	0.00029
4	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00045
4	August	0.00024	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.00047
4	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.93	0.000079	0.000014	0.0000056	0.000038	0.00018	0.00071	0.0016	0.00058	0.0005
4	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000056	0.00004	0.00018	0.00071	0.0016	0.00058	0.00053
4	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000063	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.00051
4	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000063	0.000023	0.000004	0.000023	0.00022	0.0008	0.0015	0.00092	0.00059
5	January	0.00027	3.1	0.02	0.0000013	0.00026	0.00087	1.2	0.000064	0.000023	0.000004	0.000023	0.00022	0.00081	0.0016	0.00093	0.00062
5	February	0.00027	4.1	0.044	0.0000013	0.00028	0.0007	1.2	0.00015	0.000023	0.000004	0.000033	0.00019	0.00075	0.0025	0.00094	0.00065
5	March	0.00028	4.1	0.043	0.0000013	0.00028	0.00071	1.2	0.00015	0.000023	0.000004	0.000034	0.00019	0.00075	0.0026	0.00093	0.00068
5	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00056
5	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0018	0.00057	0.00036
5	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.0000051	0.000036	0.0002	0.0009	0.0017	0.00058	0.00031
5	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00078	0.0021	0.00089	0.00046
5	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.00048
5	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.93	0.000079	0.000014	0.0000057	0.000039	0.00018	0.00071	0.0016	0.00058	0.00052
5	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.95	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0017	0.00058	0.00056
5	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00053
5	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.0008	0.0015	0.00092	0.00064
6	January	0.00027	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.00081	0.0016	0.00093	0.00067
6	February	0.00027	4.1	0.044	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000034	0.00019	0.00075	0.0025	0.00094	0.0007
6	March	0.00028	4.1	0.043	0.0000013	0.00029	0.00071	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0026	0.00093	0.00074
6	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00086	0.00059
6	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.00004	0.00019	0.0009	0.0018	0.00057	0.00039
6	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00032
6	July	0.00023	3.3	0.044	0.0000013	0.00025	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00047
6	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.0005
6	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.00071	0.0016	0.00058	0.00054
6	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0017	0.00058	0.00059
6	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.00055
6	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000064	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00068
7	January	0.00027	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.00081	0.0016	0.00093	0.00072
7	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00076
7	March	0.00028	4.1	0.043	0.0000013	0.0003	0.00071	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0026	0.00093	0.0008
7	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00086	0.00063
7	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.00004	0.00019	0.0009	0.0018	0.00057	0.00042
7	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00034
7	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00048
7	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00051
7	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.00004	0.00018	0.00071	0.0016	0.00058	0.00056
7	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0017	0.00058	0.00062
7	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00057
7	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.0008	0.0015	0.00092	0.00073
8	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000027	0.00023	0.00081	0.0016	0.00093	0.00076
8	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0025	0.00094	0.00082
8	March	0.00028	4.1	0.043	0.0000013	0.0003	0.00071	1.3	0.00015	0.000023	0.000004	0.000039	0.00019	0.00075	0.0026	0.00093	0.00086
8	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00019	0.00073	0.0024	0.00086	0.00066
8	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.0009	0.0018	0.00057	0.00044
8	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00035
8	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.00049
8	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00052
8	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00058
8	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00064
8	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
8	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00027	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00081
9	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00086
9	March	0.00028	4.1	0.043	0.0000013	0.00031	0.00071	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0026	0.00093	0.00091
9	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
9	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000042	0.00019	0.0009	0.0018	0.00057	0.00047
9	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00036
9	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
9	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
9	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00059
9	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00066
9	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
9	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077
10	January	0.00027	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00081
10	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
10	March	0.00028	4.1	0.043	0.0000013	0.00031	0.00071	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0026	0.00093	0.00091
10	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
10	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000042	0.00019	0.0009	0.0018	0.00057	0.00047
10	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
10	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
10	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
10	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00059
10	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00066
10	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
10	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077
11	January	0.00027	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00081
11	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
11	March	0.00028	4.1	0.043	0.0000013	0.00031	0.00071	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0026	0.00093	0.00091
11	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
11	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000042	0.00019	0.0009	0.0018	0.00057	0.00047
11	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
11	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
11	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
11	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00059
11	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00066
11	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
11	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077
12	January	0.00027	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00081
12	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
12	March	0.00028	4.1	0.043	0.0000013	0.00031	0.00071	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0026	0.00093	0.00091
12	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
12	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000042	0.00019	0.0009	0.0018	0.00057	0.00047
12	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
12	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
12	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
12	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00059
12	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00066
12	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
12	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077
13	January	0.00027	3.1	0.02	0.0000013	0.00029	0.00087	1.2	0.000066	0.000023	0.000004	0.000028	0.00023	0.00081	0.0016	0.00093	0.00081
13	February	0.00027	4.1	0.044	0.0000013	0.0003	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0025	0.00094	0.00087
13	March	0.00028	4.1	0.043	0.0000013	0.00031	0.00071	1.3	0.00015	0.000023	0.000004	0.00004	0.00019	0.00075	0.0026	0.00093	0.00091
13	April	0.00025	4.0	0.042	0.0000013	0.00028	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
13	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000042	0.00019	0.0009	0.0018	0.00057	0.00047
13	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000038	0.0002	0.0009	0.0017	0.00058	0.00037
13	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
13	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.00071	0.0016	0.00058	0.00059
13	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.000081	0.000014	0.0000057	0.000043	0.00018	0.00071	0.0017	0.00058	0.00066
13	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
13	December	0.00025	3.1	0.02	0.0000013	0.00028	0.00086	1.2	0.000065	0.000023	0.000004	0.000027	0.00022	0.0008	0.0015	0.00092	0.00077
14	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00081
14	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00087
14	March	0.00028	4.1	0.043	0.0000013	0.0003	0.00071	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00093	0.00091
14	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000037	0.00019	0.00073	0.0024	0.00087	0.00069
14	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.0009	0.0018	0.00057	0.00047
14	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
14	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
14	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
14	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.00004	0.00018	0.00071	0.0016	0.00058	0.00059
14	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0017	0.00058	0.00066
14	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
14	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000026	0.00022	0.0008	0.0015	0.00092	0.00077
15	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00081
15	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.00087
15	March	0.00028	4.1	0.043	0.0000013	0.0003	0.00071	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00093	0.00091
15	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00019	0.00073	0.0024	0.00087	0.00069
15	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.0009	0.0018	0.00057	0.00047
15	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
15	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
15	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
15	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.00004	0.00018	0.00071	0.0016	0.00058	0.00059
15	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.00071	0.0017	0.00058	0.00066
15	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000024	0.00022	0.00079	0.0015	0.00089	0.00059
15	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.00077
16	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
16	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
16	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
16	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00068
16	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00047
16	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
16	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
16	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
16	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.00059
16	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
16	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
16	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
17	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
17	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
17	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
17	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000036	0.00018	0.00073	0.0024	0.00087	0.00071
17	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
17	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
17	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
17	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
17	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
17	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
17	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
17	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
18	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
18	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
18	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
18	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
18	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
18	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
18	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
18	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
18	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
18	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
18	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
19	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
19	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
19	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
19	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
19	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
19	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
19	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
19	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
19	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
19	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
19	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
19	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
20	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
20	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
20	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
20	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
20	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
20	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
20	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
20	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
20	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
20	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
20	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
20	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
21	January	0.00027	3.1	0.02	0.0000013	0.00027	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
21	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
21	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000037	0.00019	0.00075	0.0026	0.00094	0.00096
21	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
21	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
21	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
21	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
21	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
21	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
21	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
21	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
21	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
22	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
22	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
22	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
22	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
22	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
22	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
22	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
22	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
22	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
22	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
22	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
22	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
23	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
23	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
23	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
23	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
23	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
23	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
23	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
23	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
23	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
23	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
23	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
24	January	0.00027	3.1	0.02	0.0000013	0.00028	0.00087	1.2	0.000065	0.000023	0.000004	0.000026	0.00023	0.00081	0.0016	0.00093	0.00085
24	February	0.00027	4.1	0.044	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000036	0.00019	0.00075	0.0025	0.00094	0.0009
24	March	0.00028	4.1	0.043	0.0000013	0.00029	0.0007	1.3	0.00015	0.000023	0.000004	0.000038	0.00019	0.00075	0.0026	0.00094	0.00096
24	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
24	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.000041	0.00019	0.00089	0.0018	0.00057	0.00048
24	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
24	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
24	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.000021	0.00015	0.00078	0.0022	0.00089	0.00053
24	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.000079	0.000014	0.0000057	0.00004	0.00018	0.0007	0.0016	0.00058	0.0006
24	October	0.00018	2.9	0.017	0.0000013	0.00025	0.00067	0.95	0.00008	0.000014	0.0000057	0.000042	0.00018	0.0007	0.0017	0.00058	0.00066
24	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
24	December	0.00025	3.1	0.02	0.0000013	0.00027	0.00086	1.2	0.000065	0.000023	0.000004	0.000025	0.00022	0.0008	0.0015	0.00092	0.0008
25	January	0.00027	3.1	0.02	0.0000013	0.00026	0.00087	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.00081	0.0016	0.00093	0.00085
25	February	0.00027	4.1	0.044	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000034	0.00019	0.00075	0.0025	0.00094	0.0009
25	March	0.00028	4.1	0.043	0.0000013	0.00028	0.0007	1.3	0.00015	0.000023	0.000004	0.000035	0.00019	0.00075	0.0026	0.00094	0.00096
25	April	0.00025	4.0	0.042	0.0000013	0.00027	0.00068	1.2	0.00014	0.000022	0.0000041	0.000035	0.00018	0.00073	0.0024	0.00087	0.00071
25	May	0.0002	3.0	0.019	0.0000013	0.0002	0.00065	1	0.0001	0.000014	0.0000051	0.00004	0.00019	0.00089	0.0018	0.00057	0.00048
25	June	0.00019	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
25	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
25	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.00053
25	September	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.93	0.000079	0.000014	0.0000057	0.000039	0.00018	0.0007	0.0016	0.00058	0.0006
25	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.000041	0.00018	0.0007	0.0017	0.00058	0.00066
25	November	0.00024	3.1	0.02	0.0000013	0.00025	0.00084	1.2	0.000064	0.000022	0.000004	0.000023	0.00022	0.00079	0.0015	0.00089	0.0006
25	December	0.00025	3.1	0.02	0.0000013	0.00026	0.00086	1.2	0.000064	0.000023	0.000004	0.000024	0.00022	0.0008	0.0015	0.00092	0.0008
26	January	0.00027	3.1	0.02	0.0000013	0.00026	0.00087	1.2	0.000064	0.000023	0.000004	0.000022	0.00022	0.00081	0.0016	0.00093	0.00085
26	February	0.00027	4.1	0.044	0.0000013	0.00027	0.0007	1.2	0.00015	0.000023	0.000004	0.000031	0.00019	0.00075	0.0025	0.00094	0.0009
26	March	0.00028	4.1	0.043	0.0000013	0.00027	0.0007	1.2	0.00014	0.000023	0.000004	0.000033	0.00019	0.00075	0.0026	0.00094	0.00096
26	April	0.00025	4.0	0.042	0.0000013	0.00026	0.00068	1.2	0.00014	0.000022	0.0000041	0.000034	0.00018	0.00073	0.0024	0.00087	0.00071
26	May	0.0002	3.0	0.019	0.0000013	0.00019	0.00065	1	0.0001	0.000014	0.0000051	0.000039	0.00019	0.00089	0.0018	0.00057	0.00048
26	June	0.00019	3.0	0.019	0.0000013	0.00018	0.00065	1	0.0001	0.000014	0.0000051	0.000037	0.0002	0.0009	0.0017	0.00058	0.00037
26	July	0.00023	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00078	0.0021	0.00089	0.0005
26	August	0.00024	3.3	0.044	0.0000013	0.00026	0.00075	1	0.00011	0.000022	0.0000037	0.00002	0.00015	0.00078	0.0022	0.00089	0.00053
26	September	0.00018	2.9	0.017	0.0000013	0.00023	0.00067	0.93	0.000079	0.000014	0.0000057	0.000039	0.00017	0.0007	0.0016	0.00058	0.0006
26	October	0.00018	2.9	0.017	0.0000013	0.00024	0.00067	0.94	0.00008	0.000014	0.0000057	0.00004	0.00017	0.0007	0.0017	0.00058	0.00066
26	November	0.00024	3.1	0.02	0.0000013	0.00024	0.00084	1.1	0.000064	0.000022	0.000004	0.000022	0.00022	0.00079	0.0015	0.00089	0.0006
26	December	0.00025	3.1	0.02	0.0000013	0.00025	0.00086	1.2	0.000063	0.000023	0.000004	0.000022	0.00022	0.0008	0.0015	0.00092	0.0008
27	January	0.00018	3.1	0.02	0.0000013	0.00026	0.00083	1.2	0.000063	0.000023	0.0000039	0.000021	0.00022	0.00079	0.0011	0.0009	0.00085
27	February	0.00017	4.1	0.043	0.0000013	0.00027	0.00066	1.2	0.00015	0.000023	0.0000038	0.000031	0.00019	0.00072	0.002	0.0009	0.0009
27	March	0.00017	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000032	0.00019	0.00072	0.002	0.00089	0.00096
27	April	0.00017	4.0	0.041	0.0000013	0.00026	0.00064	1.2	0.00014	0.000021	0.000004	0.000032	0.00018	0.0007	0.002	0.00083	0.00071
27	May	0.00017	3.0	0.019	0.0000013	0.00019	0.00063	1	0.0001	0.000013	0.000005	0.000039	0.00019	0.00088	0.0016	0.00056	0.00048
27	June	0.00017	3.0	0.019	0.0000013	0.00018	0.00064	1	0.0001	0.000014	0.000005	0.000036	0.0002	0.0009	0.0016	0.00057	0.00037
27	July	0.00021	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.0005
27	August	0.00021	3.3	0.044	0.0000013	0.00026	0.00074	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00077	0.002	0.00087	0.00053

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00013	2.9	0.016	0.0000013	0.00023	0.00064	0.93	0.000079	0.000014	0.0000056	0.000038	0.00017	0.00069	0.0014	0.00056	0.00059
27	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.94	0.000079	0.000013	0.0000056	0.000039	0.00017	0.00069	0.0014	0.00056	0.00066
27	November	0.00017	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00077	0.0011	0.00086	0.0006
27	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00078	0.0011	0.00089	0.00079
28	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.000021	0.00022	0.00079	0.0011	0.0009	0.00084
28	February	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000023	0.0000038	0.00003	0.00019	0.00072	0.002	0.0009	0.00089
28	March	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000031	0.00019	0.00072	0.002	0.00089	0.00094
28	April	0.00016	4.0	0.041	0.0000013	0.00025	0.00064	1.2	0.00014	0.000021	0.000004	0.000032	0.00018	0.0007	0.002	0.00083	0.0007
28	May	0.00016	3.0	0.019	0.0000013	0.00019	0.00063	1	0.0001	0.000013	0.000005	0.000038	0.00019	0.00088	0.0016	0.00056	0.00047
28	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00064	1	0.0001	0.000014	0.000005	0.000036	0.00019	0.0009	0.0016	0.00057	0.00036
28	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00049
28	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00052
28	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.93	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00059
28	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.93	0.000079	0.000013	0.0000056	0.000039	0.00017	0.00069	0.0014	0.00056	0.00065
28	November	0.00017	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00077	0.0011	0.00086	0.00059
28	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000063	0.000022	0.0000039	0.000021	0.00022	0.00078	0.0011	0.00089	0.00078
29	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.000021	0.00022	0.00079	0.0011	0.0009	0.00082
29	February	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.00003	0.00019	0.00072	0.002	0.0009	0.00088
29	March	0.00016	4.1	0.043	0.0000013	0.00027	0.00065	1.2	0.00014	0.000022	0.0000039	0.000031	0.00019	0.00072	0.002	0.00089	0.00093
29	April	0.00016	4.0	0.041	0.0000013	0.00025	0.00064	1.2	0.00014	0.000021	0.000004	0.000031	0.00018	0.0007	0.002	0.00083	0.00069
29	May	0.00016	3.0	0.019	0.0000013	0.00019	0.00063	1	0.0001	0.000013	0.000005	0.000038	0.00019	0.00088	0.0016	0.00056	0.00046
29	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000014	0.000005	0.000036	0.00019	0.0009	0.0015	0.00057	0.00035
29	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00049
29	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00052
29	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.92	0.000078	0.000014	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00058
29	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.93	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00056	0.00064
29	November	0.00016	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00058
29	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
30	January	0.00017	3.1	0.02	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00081
30	February	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.002	0.0009	0.00087
30	March	0.00016	4.1	0.043	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00072	0.002	0.00089	0.00091
30	April	0.00015	4.0	0.041	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.000004	0.000031	0.00018	0.0007	0.002	0.00083	0.00068
30	May	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0016	0.00056	0.00045
30	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00034
30	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00077	0.002	0.00088	0.00048
30	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000019	0.00015	0.00076	0.002	0.00087	0.00051
30	September	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.92	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00057
30	October	0.00012	2.9	0.016	0.0000013	0.00023	0.00064	0.93	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00063
30	November	0.00016	3.1	0.02	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00057
30	December	0.00017	3.1	0.02	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00076
31	January	0.00017	3.1	0.022	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
31	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.002	0.0009	0.00082
31	March	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00072	0.002	0.00089	0.00086
31	April	0.00015	4.0	0.042	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.000004	0.000031	0.00018	0.0007	0.0019	0.00083	0.00066
31	May	0.00016	3.0	0.02	0.0000013	0.00018	0.00063	1	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00043
31	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
31	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.002	0.00088	0.00047
31	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.0005
31	September	0.00012	2.9	0.017	0.0000013	0.00023	0.00064	0.92	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
31	October	0.00012	2.9	0.018	0.0000013	0.00023	0.00064	0.93	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00061
31	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
31	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
32	January	0.00017	3.1	0.023	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
32	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.0019	0.0009	0.00082
32	March	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00072	0.0019	0.00089	0.00086
32	April	0.00015	4.0	0.043	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.0000039	0.000031	0.00018	0.0007	0.0019	0.00083	0.00065

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00016	3.0	0.02	0.0000013	0.00018	0.00063	1	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00043
32	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
32	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.0019	0.00088	0.00047
32	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.0005
32	September	0.00012	2.9	0.018	0.0000013	0.00023	0.00064	0.92	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
32	October	0.00011	2.9	0.018	0.0000013	0.00023	0.00063	0.93	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00061
32	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
32	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
33	January	0.00016	3.1	0.023	0.0000013	0.00025	0.00083	1.2	0.000063	0.000023	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00077
33	February	0.00016	4.1	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000023	0.0000038	0.000029	0.00019	0.00072	0.0019	0.0009	0.00082
33	March	0.00015	4.0	0.047	0.0000013	0.00026	0.00065	1.2	0.00014	0.000022	0.0000039	0.00003	0.00019	0.00072	0.0019	0.00089	0.00086
33	April	0.00015	4.0	0.043	0.0000013	0.00025	0.00063	1.2	0.00014	0.000021	0.0000039	0.000031	0.00018	0.0007	0.0019	0.00083	0.00065
33	May	0.00015	3.0	0.02	0.0000013	0.00018	0.00063	1	0.0001	0.000013	0.000005	0.000037	0.00019	0.00088	0.0015	0.00056	0.00043
33	June	0.00016	3.0	0.019	0.0000013	0.00018	0.00063	1	0.0001	0.000014	0.000005	0.000035	0.00019	0.00089	0.0015	0.00057	0.00033
33	July	0.0002	3.3	0.044	0.0000013	0.00025	0.00074	1	0.00011	0.000022	0.0000036	0.000017	0.00015	0.00077	0.0019	0.00088	0.00047
33	August	0.0002	3.3	0.044	0.0000013	0.00025	0.00073	1	0.00011	0.000022	0.0000036	0.000018	0.00015	0.00076	0.0019	0.00087	0.0005
33	September	0.00011	2.9	0.018	0.0000013	0.00023	0.00064	0.92	0.000078	0.000013	0.0000056	0.000037	0.00017	0.00069	0.0013	0.00056	0.00056
33	October	0.00011	2.9	0.018	0.0000013	0.00023	0.00063	0.93	0.000079	0.000013	0.0000056	0.000038	0.00017	0.00069	0.0013	0.00055	0.00061
33	November	0.00016	3.1	0.021	0.0000013	0.00024	0.00081	1.1	0.000063	0.000022	0.0000039	0.00002	0.00022	0.00077	0.0011	0.00086	0.00056
33	December	0.00016	3.1	0.022	0.0000013	0.00025	0.00082	1.2	0.000062	0.000022	0.0000038	0.00002	0.00022	0.00078	0.0011	0.00089	0.00073
34	January	0.00016	3.0	0.026	0.0000021	0.00055	0.00079	1.4	0.00011	0.000024	0.0000044	0.000064	0.00034	0.0011	0.0014	0.00092	0.001
34	February	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000041	0.000048	0.00024	0.00081	0.002	0.00096	0.00051
34	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.00005	0.00024	0.0008	0.002	0.00095	0.00051
34	April	0.00015	3.7	0.04	0.0000019	0.00046	0.00063	1.4	0.00017	0.000023	0.0000044	0.00006	0.00027	0.00091	0.0021	0.00086	0.00045
34	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.0006	0.00027
34	June	0.00016	2.9	0.019	0.0000016	0.00028	0.00063	1.1	0.00012	0.000015	0.0000051	0.000048	0.00024	0.00099	0.0016	0.0006	0.00025
34	July	0.00019	3.3	0.043	0.0000015	0.00032	0.00073	1.1	0.00012	0.000023	0.0000037	0.000028	0.00018	0.00084	0.002	0.00089	0.00041
34	August	0.00019	3.2	0.043	0.0000016	0.00037	0.00073	1.1	0.00013	0.000023	0.0000039	0.000036	0.0002	0.00087	0.002	0.00089	0.00042
34	September	0.00011	2.8	0.017	0.0000018	0.00039	0.00064	1.1	0.00011	0.000015	0.0000058	0.00006	0.00025	0.00085	0.0015	0.00061	0.00042
34	October	0.00011	2.8	0.017	0.0000017	0.00038	0.00063	1.1	0.00011	0.000015	0.0000058	0.000059	0.00024	0.00084	0.0015	0.00061	0.00042
34	November	0.00016	3.1	0.02	0.0000014	0.00026	0.00081	1.2	0.000069	0.000022	0.000004	0.000024	0.00023	0.0008	0.0011	0.00087	0.0004
34	December	0.00016	3.1	0.021	0.0000016	0.0003	0.00084	1.3	0.00008	0.000024	0.0000041	0.000033	0.00025	0.00084	0.0011	0.00093	0.00046
35	January	0.00016	3.1	0.021	0.0000016	0.00031	0.00085	1.3	0.000083	0.000024	0.0000041	0.000035	0.00026	0.00086	0.0011	0.00095	0.00047
35	February	0.00015	4.1	0.045	0.0000016	0.00034	0.00068	1.4	0.00017	0.000024	0.0000041	0.000046	0.00023	0.0008	0.002	0.00096	0.00048
35	March	0.00015	4.0	0.044	0.0000017	0.00035	0.00068	1.4	0.00017	0.000024	0.0000042	0.000049	0.00024	0.00081	0.002	0.00095	0.00049
35	April	0.00015	3.8	0.04	0.0000019	0.00047	0.00064	1.4	0.00017	0.000023	0.0000044	0.000064	0.00028	0.00092	0.0021	0.00088	0.00044
35	May	0.00015	2.9	0.019	0.0000017	0.00032	0.00062	1.1	0.00012	0.000015	0.0000052	0.000054	0.00025	0.001	0.0016	0.0006	0.00025
35	June	0.00015	2.9	0.021	0.0000019	0.00033	0.0007	1.2	0.00015	0.000016	0.0000054	0.000064	0.00026	0.001	0.002	0.00066	0.00026
35	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00015	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
35	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00098	0.00042
35	September	0.00011	2.9	0.022	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
35	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
35	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00086	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
35	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
36	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
36	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
36	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
36	April	0.00014	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0034	0.0011	0.00045
36	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
36	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
36	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
36	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00098	0.00042
36	September	0.00011	2.9	0.022	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
36	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
36	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00086	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
36	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
37	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
37	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
37	April	0.00014	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0034	0.0011	0.00045
37	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
37	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
37	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
37	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00098	0.00042
37	September	0.00011	2.9	0.022	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
37	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
37	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
37	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
38	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
38	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
38	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
38	April	0.00014	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
38	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
38	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
38	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
38	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00098	0.00042
38	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
38	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
38	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
38	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
39	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
39	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
39	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
39	April	0.00014	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
39	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
39	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
39	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
39	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
39	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
39	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
39	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
39	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
40	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
40	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
40	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
40	April	0.00014	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
40	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
40	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
40	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
40	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
40	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
40	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
40	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
40	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
41	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
41	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
41	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
41	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
41	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
41	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
41	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
41	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
41	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
41	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
41	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
42	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
42	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
42	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
42	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
42	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
42	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
42	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
42	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
42	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
42	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
42	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
42	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
43	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
43	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
43	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
43	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
43	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
43	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
43	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
43	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
43	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
43	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
43	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
43	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
44	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
44	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
44	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
44	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
44	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
44	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
44	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
44	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
44	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
44	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
44	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
44	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
45	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
45	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
45	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
45	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
45	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
45	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
45	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
45	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
45	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
45	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
45	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
45	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
46	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
46	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
46	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
46	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
46	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
46	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
46	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
46	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
46	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
46	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
46	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
47	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
47	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
47	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
47	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
47	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
47	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
47	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
47	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
47	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
47	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
47	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
47	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
48	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
48	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
48	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
48	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
48	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
48	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
48	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
48	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
48	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
48	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
48	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
48	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
49	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
49	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
49	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
49	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
49	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
49	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
49	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
49	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
49	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
49	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
49	November	0.00016	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
49	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
50	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
50	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
50	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
50	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
50	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
50	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
50	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
50	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
50	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
50	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
50	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
50	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
51	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
51	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
51	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
51	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
51	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
51	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
51	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
51	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
51	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
51	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
51	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
52	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
52	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
52	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
52	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
52	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
52	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
52	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
52	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
52	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
52	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
52	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
52	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
53	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
53	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
53	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
53	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
53	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
53	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
53	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
53	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
53	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
53	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
53	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
53	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
54	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
54	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
54	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
54	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
54	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
54	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
54	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
54	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
54	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
54	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
54	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
54	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
55	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
55	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
55	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
55	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
55	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
55	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
55	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
55	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
55	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
55	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
55	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
56	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
56	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
56	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
56	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
56	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
56	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
56	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
56	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
56	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
56	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
56	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
56	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
57	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
57	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
57	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
57	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
57	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
57	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
57	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
57	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
57	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
57	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
57	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
57	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
58	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
58	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
58	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
58	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
58	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
58	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
58	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
58	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
58	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
58	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
58	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
58	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
59	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
59	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
59	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
59	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
59	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
59	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
59	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
59	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
59	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
59	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
59	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
59	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
60	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
60	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
60	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
60	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
60	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
60	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
60	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
60	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
60	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
60	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
60	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
61	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
61	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
61	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
61	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
61	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
61	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
61	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
61	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
61	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
61	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
61	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
61	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
62	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
62	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
62	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
62	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
62	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
62	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
62	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
62	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
62	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
62	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
62	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
62	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
63	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
63	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
63	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
63	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
63	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
63	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
63	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
63	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
63	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
63	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
63	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
63	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
64	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
64	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
64	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
64	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
64	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
64	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
64	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
64	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
64	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
64	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
64	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
64	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
65	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
65	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
65	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
65	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
65	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
65	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
65	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
65	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
65	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
65	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
65	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
66	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
66	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
66	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
66	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
66	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
66	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
66	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
66	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
66	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
66	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
66	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
66	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
67	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
67	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
67	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
67	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
67	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
67	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
67	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
67	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
67	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
67	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
67	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
67	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
68	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
68	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
68	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
68	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
68	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
68	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
68	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
68	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
68	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
68	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
68	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
68	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
69	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
69	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
69	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
69	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
69	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
69	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
69	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
69	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042

Table G-5: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
69	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
69	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
69	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046
70	January	0.00016	3.1	0.022	0.0000019	0.00035	0.0009	1.4	0.00011	0.000025	0.0000043	0.000048	0.00028	0.00087	0.0015	0.00099	0.00047
70	February	0.00015	4.0	0.045	0.0000019	0.00038	0.00074	1.5	0.0002	0.000026	0.0000044	0.000061	0.00025	0.00082	0.0024	0.001	0.00048
70	March	0.00015	4.0	0.045	0.000002	0.00039	0.00075	1.5	0.0002	0.000026	0.0000044	0.000066	0.00026	0.00083	0.0024	0.001	0.00049
70	April	0.00013	3.7	0.044	0.0000029	0.00059	0.00088	1.6	0.00027	0.000027	0.0000053	0.00012	0.00035	0.00098	0.0033	0.0011	0.00045
70	May	0.00014	2.9	0.023	0.0000024	0.00041	0.00078	1.2	0.00019	0.000018	0.0000057	0.000089	0.00029	0.001	0.0025	0.00073	0.00027
70	June	0.00015	2.9	0.022	0.0000022	0.00036	0.00076	1.2	0.00018	0.000017	0.0000056	0.000077	0.00028	0.001	0.0023	0.00071	0.00026
70	July	0.00019	3.3	0.045	0.0000019	0.00037	0.00081	1.1	0.00016	0.000024	0.0000041	0.000047	0.00021	0.00086	0.0024	0.00095	0.00041
70	August	0.00018	3.2	0.045	0.0000021	0.00043	0.00084	1.2	0.00018	0.000025	0.0000043	0.000062	0.00024	0.0009	0.0026	0.00097	0.00042
70	September	0.00011	2.9	0.021	0.0000025	0.00049	0.00082	1.2	0.00019	0.000019	0.0000063	0.000098	0.0003	0.0009	0.0024	0.00076	0.00043
70	October	0.00011	2.9	0.021	0.0000025	0.00048	0.00081	1.2	0.00018	0.000019	0.0000063	0.000097	0.00029	0.00089	0.0024	0.00075	0.00043
70	November	0.00015	3.1	0.021	0.0000016	0.00029	0.00085	1.2	0.000092	0.000023	0.0000042	0.000035	0.00024	0.00082	0.0014	0.00091	0.0004
70	December	0.00016	3.1	0.022	0.0000018	0.00033	0.00089	1.3	0.0001	0.000025	0.0000043	0.000045	0.00027	0.00086	0.0014	0.00097	0.00046

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.1	0.067	0.077	0.012	0.036	1.0	0.0038	0.16	0.00035	0.0018	0.000023	0.006	0.000021	13	0.00051	0.00016	0.0011	0.5
-6	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00016	0.001	0.51
-6	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000065	15	0.00069	0.00018	0.0011	0.58
-6	April	0.79	0.045	0.18	0.011	0.028	0.97	0.0035	0.15	0.00032	0.0022	0.000013	0.0057	0.0000063	15	0.00067	0.00018	0.0011	0.58
-6	May	0.39	0.029	0.03	0.0055	0.036	0.84	0.0018	0.22	0.00019	0.0018	0.000011	0.0054	0.0000049	10	0.0006	0.00014	0.001	0.52
-6	June	0.37	0.029	0.022	0.0057	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000047	9.8	0.0006	0.00014	0.001	0.52
-6	July	0.6	0.046	0.029	0.013	0.022	0.96	0.0024	0.21	0.00038	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.0002	0.001	0.61
-6	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0058	0.0000081	11	0.00068	0.00019	0.001	0.59
-6	September	0.5	0.046	0.048	0.0075	0.032	0.9	0.0038	0.14	0.0002	0.0023	0.000012	0.0057	0.0000033	11	0.00049	0.00015	0.00088	0.46
-6	October	0.54	0.045	0.052	0.0071	0.031	0.9	0.0039	0.17	0.00023	0.0022	0.000012	0.0055	0.0000029	13	0.00052	0.00015	0.00085	0.47
-6	November	1.1	0.044	0.063	0.013	0.037	0.94	0.0044	0.18	0.00034	0.002	0.000022	0.0059	0.000017	12	0.00049	0.00015	0.0011	0.5
-6	December	1.1	0.043	0.064	0.011	0.036	0.96	0.0038	0.15	0.00034	0.0018	0.000021	0.006	0.000017	12	0.00045	0.00015	0.0011	0.47
-5	January	1.1	0.066	0.077	0.012	0.036	1.0	0.0039	0.16	0.00036	0.0018	0.000023	0.006	0.000021	13	0.0005	0.00016	0.0011	0.5
-5	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00016	0.001	0.51
-5	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000064	15	0.00069	0.00018	0.0011	0.58
-5	April	0.79	0.045	0.18	0.011	0.028	0.96	0.0035	0.15	0.00032	0.0022	0.000013	0.0057	0.0000063	15	0.00067	0.00018	0.0011	0.58
-5	May	0.39	0.029	0.03	0.0055	0.036	0.84	0.0018	0.22	0.00019	0.0018	0.000011	0.0054	0.0000049	10	0.0006	0.00014	0.001	0.52
-5	June	0.37	0.029	0.022	0.0057	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000047	9.8	0.0006	0.00014	0.001	0.52
-5	July	0.6	0.046	0.029	0.013	0.022	0.96	0.0024	0.21	0.00038	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.0002	0.001	0.61
-5	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0058	0.0000081	11	0.00068	0.00019	0.001	0.59
-5	September	0.5	0.046	0.048	0.0075	0.032	0.9	0.0038	0.14	0.0002	0.0023	0.000012	0.0057	0.0000033	11	0.00049	0.00015	0.00088	0.46
-5	October	0.54	0.045	0.052	0.0071	0.031	0.9	0.0039	0.17	0.00023	0.0022	0.000012	0.0055	0.0000029	13	0.00052	0.00015	0.00085	0.47
-5	November	1.1	0.044	0.063	0.013	0.037	0.94	0.0044	0.18	0.00034	0.002	0.000022	0.0059	0.000017	12	0.00049	0.00015	0.0011	0.5
-5	December	1.1	0.043	0.064	0.011	0.036	0.96	0.0038	0.15	0.00034	0.0018	0.000021	0.006	0.000017	12	0.00045	0.00015	0.0011	0.47
-4	January	1.1	0.066	0.077	0.012	0.036	1.0	0.0039	0.16	0.00036	0.0018	0.000023	0.006	0.000021	13	0.0005	0.00016	0.0011	0.5
-4	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00016	0.001	0.51
-4	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000064	15	0.00069	0.00018	0.0011	0.58
-4	April	0.79	0.045	0.18	0.011	0.028	0.96	0.0035	0.15	0.00032	0.0022	0.000013	0.0057	0.0000063	15	0.00067	0.00018	0.0011	0.58
-4	May	0.39	0.029	0.03	0.0055	0.036	0.84	0.0018	0.22	0.00019	0.0018	0.000011	0.0054	0.0000049	10	0.0006	0.00014	0.001	0.52
-4	June	0.37	0.029	0.022	0.0057	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000047	9.8	0.0006	0.00014	0.001	0.52
-4	July	0.6	0.046	0.029	0.013	0.022	0.96	0.0024	0.21	0.00038	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.0002	0.001	0.61
-4	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0058	0.0000081	11	0.00068	0.00019	0.001	0.59
-4	September	0.5	0.046	0.048	0.0075	0.032	0.9	0.0038	0.14	0.0002	0.0023	0.000012	0.0057	0.0000033	11	0.00049	0.00015	0.00088	0.46
-4	October	0.54	0.045	0.052	0.0071	0.031	0.9	0.0039	0.17	0.00023	0.0022	0.000012	0.0055	0.0000029	13	0.00052	0.00015	0.00085	0.47
-4	November	1.1	0.044	0.063	0.013	0.037	0.94	0.0044	0.18	0.00034	0.002	0.000022	0.0059	0.000017	12	0.00049	0.00015	0.0011	0.5
-4	December	1.1	0.043	0.064	0.011	0.036	0.96	0.0038	0.15	0.00034	0.0018	0.000021	0.006	0.000017	12	0.00045	0.00015	0.0011	0.47
-3	January	1.1	0.066	0.077	0.012	0.036	1.0	0.0039	0.18	0.00036	0.0019	0.000023	0.006	0.000023	13	0.00051	0.00016	0.0012	0.51
-3	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0023	0.000013	0.0057	0.000011	15	0.00067	0.00017	0.0011	0.52
-3	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.17	0.00035	0.0024	0.000013	0.0057	0.0000091	15	0.00071	0.00018	0.0011	0.59
-3	April	0.79	0.045	0.18	0.011	0.028	0.97	0.0035	0.17	0.00032	0.0023	0.000014	0.0057	0.0000083	15	0.00069	0.00018	0.0011	0.59
-3	May	0.39	0.029	0.03	0.0055	0.036	0.84	0.0018	0.23	0.00019	0.0019	0.000011	0.0054	0.0000056	10	0.00061	0.00015	0.0011	0.52
-3	June	0.37	0.029	0.022	0.0057	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000052	9.8	0.0006	0.00014	0.001	0.52
-3	July	0.6	0.046	0.029	0.013	0.022	0.96	0.0024	0.22	0.00038	0.003	0.000015	0.0059	0.000009	11	0.00078	0.0002	0.001	0.61
-3	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.18	0.00034	0.0032	0.000013	0.0058	0.000009	11	0.00069	0.00019	0.001	0.59
-3	September	0.5	0.046	0.048	0.0075	0.032	0.9	0.0038	0.15	0.0002	0.0023	0.000012	0.0057	0.0000045	11	0.0005	0.00015	0.0009	0.47
-3	October	0.54	0.045	0.052	0.0071	0.031	0.9	0.0039	0.18	0.00023	0.0023	0.000012	0.0055	0.0000042	13	0.00053	0.00015	0.00087	0.48
-3	November	1.1	0.044	0.063	0.013	0.037	0.94	0.0044	0.2	0.00034	0.0021	0.000022	0.0059	0.000018	12	0.0005	0.00016	0.0012	0.51
-3	December	1.1	0.043	0.064	0.011	0.036	0.96	0.0038	0.16	0.00035	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00015	0.0011	0.48
-2	January	1.1	0.066	0.077	0.012	0.036	1.0	0.0039	0.18	0.00036	0.002	0.000023	0.006	0.000023	13	0.00052	0.00016	0.0012	0.51
-2	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0023	0.000013	0.0057	0.000011	15	0.00067	0.00017	0.0011	0.52
-2	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.17	0.00035	0.0024	0.000013	0.0057	0.0000092	15	0.00071	0.00018	0.0011	0.59
-2	April	0.79	0.045	0.18	0.011	0.028	0.97	0.0035	0.17	0.00032	0.0024	0.000014	0.0057	0.0000084	15	0.00069	0.00018	0.0011	0.59
-2	May	0.39	0.029	0.03	0.0055	0.036	0.84	0.0018	0.23	0.00019	0.0019	0.000011	0.0054	0.0000057	10	0.00061	0.00015	0.0011	0.52
-2	June	0.37	0.029	0.022	0.0057	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000053	9.8	0.0006	0.00014	0.001	0.52
-2	July	0.6	0.046	0.029	0.013	0.022	0.96	0.0024	0.22	0.00038	0.003	0.000015	0.0059	0.000009	11	0.00078	0.0002	0.001	0.61
-2	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.18	0.00034	0.0032	0.000014	0.0058	0.000009	11	0.00069	0.00019	0.001	0.59

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.5	0.046	0.048	0.0075	0.032	0.9	0.0038	0.15	0.0002	0.0023	0.000012	0.0057	0.0000046	11	0.0005	0.00015	0.0009	0.47
-2	October	0.54	0.045	0.052	0.0071	0.031	0.9	0.0039	0.18	0.00023	0.0023	0.000012	0.0055	0.0000043	13	0.00053	0.00015	0.00088	0.48
-2	November	1.1	0.044	0.063	0.013	0.037	0.94	0.0044	0.2	0.00034	0.0021	0.000022	0.0059	0.000018	12	0.0005	0.00016	0.0012	0.51
-2	December	1.1	0.043	0.064	0.011	0.036	0.96	0.0038	0.16	0.00035	0.002	0.000021	0.006	0.000019	12	0.00046	0.00015	0.0011	0.48
-1	January	1.1	0.066	0.077	0.012	0.036	1.0	0.0039	0.18	0.00036	0.002	0.000023	0.006	0.000023	13	0.00052	0.00016	0.0012	0.51
-1	February	0.54	0.066	0.19	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00017	0.0011	0.52
-1	March	0.84	0.047	0.2	0.013	0.028	0.98	0.0038	0.17	0.00035	0.0024	0.000014	0.0057	0.0000092	15	0.00071	0.00018	0.0011	0.59
-1	April	0.79	0.045	0.19	0.012	0.028	0.96	0.0036	0.16	0.00033	0.0024	0.000013	0.0057	0.0000085	15	0.00068	0.00018	0.0011	0.58
-1	May	0.37	0.029	0.025	0.0056	0.036	0.84	0.0018	0.22	0.00019	0.0019	0.000011	0.0054	0.0000057	10	0.0006	0.00014	0.001	0.52
-1	June	0.36	0.029	0.021	0.0058	0.036	0.84	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000052	9.7	0.0006	0.00014	0.001	0.52
-1	July	0.6	0.047	0.028	0.013	0.022	0.96	0.0024	0.22	0.00038	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.0002	0.001	0.61
-1	August	0.55	0.045	0.027	0.011	0.024	1.0	0.004	0.18	0.00034	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.00019	0.001	0.59
-1	September	0.49	0.046	0.048	0.0074	0.032	0.91	0.0039	0.15	0.0002	0.0023	0.000012	0.0057	0.0000046	11	0.00049	0.00015	0.00089	0.46
-1	October	0.53	0.045	0.053	0.007	0.031	0.92	0.004	0.18	0.00023	0.0023	0.000012	0.0055	0.0000043	12	0.00053	0.00015	0.00087	0.47
-1	November	1.1	0.044	0.064	0.013	0.037	0.96	0.0044	0.2	0.00035	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00016	0.0012	0.5
-1	December	1.1	0.043	0.064	0.011	0.036	0.97	0.0038	0.16	0.00035	0.002	0.000021	0.006	0.000019	12	0.00046	0.00015	0.0011	0.48
1	January	1.1	0.066	0.077	0.012	0.036	1.1	0.0039	0.18	0.00036	0.0019	0.000023	0.006	0.000023	13	0.00051	0.00016	0.0012	0.51
1	February	0.54	0.069	0.19	0.013	0.026	1.1	0.0039	0.15	0.00036	0.0023	0.000013	0.0057	0.000011	15	0.00066	0.00017	0.0011	0.52
1	March	0.85	0.048	0.2	0.013	0.028	1.0	0.0038	0.17	0.00035	0.0024	0.000014	0.0057	0.0000089	15	0.00071	0.00018	0.0011	0.59
1	April	0.8	0.048	0.19	0.012	0.028	1.1	0.0036	0.16	0.00033	0.0024	0.000013	0.0057	0.0000082	15	0.00068	0.00018	0.0011	0.58
1	May	0.37	0.031	0.025	0.0057	0.036	0.91	0.0018	0.22	0.00019	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00014	0.001	0.51
1	June	0.36	0.031	0.021	0.0058	0.036	0.88	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000052	9.7	0.0006	0.00014	0.001	0.52
1	July	0.6	0.048	0.028	0.013	0.022	1.0	0.0024	0.22	0.00038	0.003	0.000015	0.0058	0.000009	11	0.00078	0.0002	0.001	0.61
1	August	0.55	0.047	0.027	0.011	0.024	1.1	0.004	0.18	0.00034	0.0032	0.000013	0.0057	0.000009	11	0.00069	0.00019	0.001	0.59
1	September	0.49	0.048	0.048	0.0076	0.032	1.0	0.0039	0.15	0.0002	0.0023	0.000012	0.0057	0.0000044	11	0.00049	0.00015	0.00089	0.46
1	October	0.53	0.048	0.053	0.0073	0.031	1.0	0.004	0.18	0.00024	0.0022	0.000012	0.0055	0.0000041	12	0.00052	0.00016	0.00086	0.47
1	November	1.1	0.046	0.064	0.013	0.037	1.0	0.0044	0.19	0.00035	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00016	0.0012	0.5
1	December	1.1	0.044	0.065	0.011	0.036	1.0	0.0038	0.16	0.00035	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00015	0.0011	0.48
2	January	1.2	0.071	0.077	0.013	0.036	1.3	0.0039	0.18	0.00037	0.0019	0.000023	0.006	0.000023	13	0.00051	0.00017	0.0012	0.51
2	February	0.55	0.072	0.19	0.013	0.026	1.4	0.0039	0.15	0.00037	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00018	0.0011	0.52
2	March	0.85	0.049	0.2	0.013	0.028	1.1	0.0038	0.17	0.00036	0.0024	0.000014	0.0057	0.0000089	15	0.00071	0.00019	0.0011	0.59
2	April	0.81	0.052	0.19	0.012	0.028	1.3	0.0036	0.16	0.00034	0.0024	0.000013	0.0057	0.0000082	15	0.00068	0.00019	0.0011	0.58
2	May	0.37	0.033	0.025	0.006	0.036	1.1	0.0018	0.22	0.0002	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00015	0.001	0.51
2	June	0.36	0.032	0.021	0.0059	0.036	0.96	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000052	9.7	0.0006	0.00014	0.001	0.52
2	July	0.6	0.049	0.029	0.014	0.022	1.1	0.0025	0.22	0.00038	0.003	0.000015	0.0058	0.000009	11	0.00078	0.00021	0.001	0.61
2	August	0.55	0.048	0.027	0.011	0.024	1.2	0.004	0.18	0.00034	0.0032	0.000013	0.0057	0.000009	11	0.00069	0.00019	0.001	0.59
2	September	0.49	0.05	0.048	0.0077	0.032	1.1	0.0039	0.15	0.0002	0.0023	0.000012	0.0057	0.0000044	11	0.00049	0.00015	0.00089	0.46
2	October	0.54	0.051	0.053	0.0075	0.031	1.2	0.004	0.18	0.00024	0.0023	0.000012	0.0055	0.0000041	12	0.00052	0.00016	0.00086	0.47
2	November	1.1	0.048	0.065	0.013	0.037	1.2	0.0044	0.19	0.00035	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00016	0.0012	0.5
2	December	1.1	0.045	0.065	0.011	0.036	1.1	0.0038	0.16	0.00035	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00016	0.0011	0.48
3	January	1.2	0.075	0.078	0.013	0.036	1.5	0.0039	0.18	0.00037	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00017	0.0012	0.51
3	February	0.55	0.076	0.19	0.013	0.026	1.6	0.0039	0.16	0.00037	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00018	0.0011	0.52
3	March	0.85	0.05	0.2	0.013	0.028	1.1	0.0038	0.17	0.00036	0.0024	0.000014	0.0057	0.0000089	15	0.00071	0.00019	0.0011	0.59
3	April	0.81	0.056	0.19	0.013	0.028	1.5	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000082	15	0.00068	0.0002	0.0011	0.58
3	May	0.38	0.036	0.025	0.0062	0.036	1.2	0.0018	0.22	0.0002	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00015	0.001	0.51
3	June	0.36	0.033	0.021	0.0061	0.036	1.0	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000052	9.8	0.0006	0.00015	0.001	0.52
3	July	0.6	0.05	0.029	0.014	0.022	1.1	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
3	August	0.55	0.05	0.027	0.011	0.024	1.2	0.004	0.18	0.00035	0.0032	0.000013	0.0057	0.000009	11	0.00069	0.0002	0.001	0.59
3	September	0.49	0.052	0.049	0.0079	0.032	1.2	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000044	11	0.00049	0.00016	0.00089	0.46
3	October	0.54	0.053	0.054	0.0077	0.031	1.3	0.004	0.18	0.00025	0.0023	0.000012	0.0055	0.0000041	12	0.00052	0.00016	0.00087	0.47
3	November	1.1	0.05	0.065	0.013	0.037	1.3	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
3	December	1.1	0.046	0.065	0.012	0.036	1.1	0.0038	0.16	0.00035	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00016	0.0011	0.48
4	January	1.2	0.078	0.078	0.013	0.037	1.6	0.0039	0.18	0.00037	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00018	0.0012	0.51
4	February	0.56	0.08	0.19	0.014	0.026	1.7	0.0039	0.16	0.00038	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
4	March	0.87	0.063	0.2	0.014	0.028	1.7	0.0039	0.17	0.00038	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.0002	0.0011	0.59
4	April	0.82	0.058	0.19	0.013	0.028	1.6	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000082	15	0.00068	0.0002	0.0011	0.58

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.38	0.038	0.026	0.0063	0.036	1.3	0.0018	0.22	0.0002	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00015	0.001	0.51
4	June	0.37	0.034	0.021	0.0061	0.036	1.1	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000052	9.8	0.0006	0.00015	0.001	0.52
4	July	0.6	0.051	0.029	0.014	0.022	1.2	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
4	August	0.55	0.051	0.027	0.012	0.024	1.3	0.004	0.18	0.00035	0.0032	0.000013	0.0057	0.000009	11	0.00069	0.0002	0.001	0.59
4	September	0.5	0.054	0.049	0.0081	0.032	1.3	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000044	11	0.00049	0.00016	0.00089	0.46
4	October	0.54	0.056	0.054	0.0079	0.031	1.4	0.004	0.18	0.00025	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
4	November	1.1	0.052	0.065	0.013	0.037	1.4	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
4	December	1.1	0.056	0.066	0.012	0.036	1.6	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00017	0.0011	0.48
5	January	1.2	0.082	0.079	0.014	0.037	1.8	0.0039	0.18	0.00038	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00018	0.0012	0.51
5	February	0.56	0.084	0.19	0.014	0.027	1.9	0.0039	0.16	0.00038	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
5	March	0.87	0.067	0.2	0.014	0.028	1.9	0.0039	0.17	0.00038	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00021	0.0011	0.59
5	April	0.82	0.058	0.19	0.013	0.028	1.6	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000082	15	0.00068	0.0002	0.0011	0.58
5	May	0.38	0.039	0.026	0.0064	0.036	1.3	0.0018	0.22	0.0002	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00015	0.001	0.51
5	June	0.37	0.035	0.021	0.0062	0.036	1.1	0.0019	0.22	0.0002	0.0018	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
5	July	0.6	0.052	0.029	0.014	0.022	1.2	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
5	August	0.55	0.052	0.028	0.012	0.024	1.3	0.004	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
5	September	0.5	0.056	0.049	0.0082	0.032	1.4	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000044	11	0.00049	0.00016	0.00089	0.46
5	October	0.54	0.058	0.054	0.0081	0.031	1.5	0.004	0.18	0.00025	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
5	November	1.1	0.054	0.065	0.014	0.037	1.4	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
5	December	1.1	0.06	0.067	0.013	0.036	1.8	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00017	0.0011	0.48
6	January	1.2	0.085	0.079	0.014	0.037	1.9	0.0039	0.18	0.00038	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
6	February	0.56	0.088	0.19	0.014	0.027	2.0	0.0039	0.16	0.00039	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
6	March	0.88	0.071	0.2	0.015	0.029	2.1	0.0039	0.17	0.00039	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00021	0.0011	0.59
6	April	0.82	0.061	0.19	0.013	0.028	1.7	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
6	May	0.38	0.041	0.026	0.0066	0.036	1.4	0.0018	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
6	June	0.37	0.036	0.021	0.0063	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
6	July	0.6	0.052	0.029	0.014	0.022	1.2	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
6	August	0.55	0.053	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
6	September	0.5	0.057	0.049	0.0083	0.032	1.4	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
6	October	0.55	0.06	0.055	0.0083	0.032	1.6	0.0041	0.18	0.00025	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
6	November	1.1	0.055	0.066	0.014	0.037	1.5	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
6	December	1.1	0.063	0.067	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
7	January	1.2	0.089	0.08	0.014	0.037	2.0	0.0039	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
7	February	0.57	0.092	0.19	0.014	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
7	March	0.88	0.076	0.2	0.015	0.029	2.3	0.0039	0.17	0.00039	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
7	April	0.82	0.063	0.19	0.013	0.028	1.8	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
7	May	0.38	0.043	0.026	0.0067	0.036	1.5	0.0018	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
7	June	0.37	0.038	0.021	0.0064	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
7	July	0.61	0.053	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
7	August	0.55	0.054	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
7	September	0.5	0.059	0.049	0.0084	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
7	October	0.55	0.062	0.055	0.0084	0.032	1.7	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
7	November	1.1	0.057	0.066	0.014	0.037	1.5	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
7	December	1.1	0.066	0.067	0.013	0.036	2.0	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
8	January	1.2	0.092	0.08	0.014	0.037	2.2	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
8	February	0.57	0.096	0.19	0.015	0.027	2.3	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
8	March	0.88	0.08	0.2	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
8	April	0.82	0.066	0.19	0.013	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
8	May	0.38	0.045	0.026	0.0069	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
8	June	0.37	0.039	0.022	0.0065	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
8	July	0.61	0.054	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
8	August	0.55	0.055	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
8	September	0.5	0.06	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
8	October	0.55	0.064	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00018	0.00087	0.47
8	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
8	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	1.2	0.096	0.081	0.015	0.037	2.3	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.0002	0.0012	0.51
9	February	0.57	0.099	0.19	0.015	0.027	2.4	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
9	March	0.89	0.083	0.2	0.016	0.029	2.5	0.004	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00023	0.0011	0.59
9	April	0.83	0.068	0.19	0.014	0.028	2.0	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
9	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
9	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
9	July	0.61	0.054	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
9	August	0.55	0.055	0.028	0.012	0.024	1.5	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
9	September	0.5	0.061	0.05	0.0086	0.032	1.6	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
9	October	0.55	0.065	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00018	0.00087	0.47
9	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
9	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
10	January	1.2	0.096	0.081	0.015	0.037	2.3	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.0002	0.0012	0.51
10	February	0.57	0.099	0.19	0.015	0.027	2.4	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
10	March	0.89	0.084	0.2	0.016	0.029	2.5	0.004	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00023	0.0011	0.59
10	April	0.83	0.068	0.19	0.014	0.028	2.0	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
10	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
10	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
10	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
10	August	0.55	0.056	0.028	0.012	0.024	1.5	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
10	September	0.5	0.061	0.05	0.0086	0.032	1.6	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
10	October	0.55	0.065	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00018	0.00087	0.47
10	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
10	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
11	January	1.2	0.096	0.081	0.015	0.037	2.3	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.0002	0.0012	0.51
11	February	0.57	0.099	0.19	0.015	0.027	2.4	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
11	March	0.89	0.084	0.2	0.016	0.029	2.5	0.004	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00023	0.0011	0.59
11	April	0.83	0.068	0.19	0.014	0.028	2.0	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
11	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
11	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
11	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
11	August	0.55	0.056	0.028	0.012	0.024	1.5	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
11	September	0.5	0.061	0.05	0.0086	0.032	1.6	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
11	October	0.55	0.065	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00018	0.00087	0.47
11	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
11	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
12	January	1.2	0.096	0.081	0.015	0.037	2.3	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.0002	0.0012	0.51
12	February	0.57	0.099	0.19	0.015	0.027	2.4	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
12	March	0.89	0.084	0.2	0.016	0.029	2.5	0.004	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00023	0.0011	0.59
12	April	0.83	0.068	0.19	0.014	0.028	2.0	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
12	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
12	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
12	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
12	August	0.55	0.056	0.028	0.012	0.024	1.5	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
12	September	0.5	0.061	0.05	0.0086	0.032	1.6	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
12	October	0.55	0.065	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00018	0.00087	0.47
12	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
12	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
13	January	1.2	0.096	0.081	0.015	0.037	2.3	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.0002	0.0012	0.51
13	February	0.57	0.099	0.19	0.015	0.027	2.4	0.004	0.16	0.0004	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
13	March	0.89	0.084	0.2	0.016	0.029	2.5	0.004	0.17	0.0004	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00023	0.0011	0.59
13	April	0.83	0.068	0.19	0.014	0.028	2.0	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
13	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
13	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
13	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
13	August	0.55	0.056	0.028	0.012	0.024	1.5	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.5	0.061	0.05	0.0086	0.032	1.6	0.0039	0.15	0.00022	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
13	October	0.55	0.065	0.055	0.0086	0.032	1.8	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00053	0.00018	0.00087	0.47
13	November	1.1	0.058	0.066	0.014	0.037	1.6	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
13	December	1.1	0.069	0.068	0.013	0.036	2.1	0.0039	0.16	0.00038	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
14	January	1.2	0.096	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
14	February	0.57	0.099	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
14	March	0.88	0.084	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
14	April	0.83	0.068	0.19	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
14	May	0.38	0.047	0.027	0.007	0.036	1.6	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
14	June	0.37	0.039	0.022	0.0066	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
14	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
14	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
14	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
14	October	0.55	0.065	0.055	0.0086	0.032	1.7	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
14	November	1.1	0.058	0.066	0.014	0.037	1.5	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
14	December	1.1	0.069	0.068	0.013	0.036	2.0	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
15	January	1.2	0.096	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
15	February	0.57	0.099	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
15	March	0.88	0.084	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000014	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
15	April	0.82	0.068	0.19	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.00021	0.0011	0.58
15	May	0.38	0.047	0.027	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
15	June	0.37	0.039	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
15	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
15	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0058	0.0000091	11	0.00069	0.0002	0.001	0.59
15	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
15	October	0.55	0.065	0.055	0.0086	0.032	1.7	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00087	0.47
15	November	1.1	0.058	0.066	0.014	0.037	1.5	0.0045	0.2	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
15	December	1.1	0.069	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
16	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
16	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
16	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
16	April	0.82	0.067	0.19	0.014	0.028	1.8	0.0037	0.16	0.00035	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
16	May	0.38	0.047	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
16	June	0.37	0.04	0.022	0.0065	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
16	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
16	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
16	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
16	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
16	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
16	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
17	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
17	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
17	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
17	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
17	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
17	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
17	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
17	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
17	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
17	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
17	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
17	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
18	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
18	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
18	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
18	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
18	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
18	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
18	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
18	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
18	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
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18	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
19	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
19	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
19	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
19	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
19	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
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19	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
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19	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
20	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
20	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
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20	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
20	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
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20	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
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20	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
20	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
21	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
21	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
21	March	0.88	0.087	0.2	0.016	0.029	2.2	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
21	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
21	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
21	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
21	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
21	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
21	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
21	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
21	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
21	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
22	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
22	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
22	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
22	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
22	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
22	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
22	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
22	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
22	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
22	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
22	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
22	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
23	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
23	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
23	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
23	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
23	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
23	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
23	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
23	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
23	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
23	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
23	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
24	January	1.2	0.098	0.081	0.015	0.037	2.1	0.004	0.18	0.00039	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00019	0.0012	0.51
24	February	0.57	0.1	0.19	0.015	0.027	2.2	0.004	0.16	0.00039	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
24	March	0.88	0.087	0.2	0.016	0.029	2.3	0.004	0.17	0.00039	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00022	0.0011	0.59
24	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
24	May	0.38	0.048	0.026	0.007	0.036	1.5	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
24	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
24	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
24	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
24	September	0.5	0.061	0.05	0.0086	0.032	1.5	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
24	October	0.55	0.065	0.055	0.0086	0.031	1.6	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
24	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00037	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
24	December	1.1	0.071	0.068	0.013	0.036	1.9	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00018	0.0011	0.48
25	January	1.2	0.098	0.081	0.015	0.037	1.8	0.004	0.18	0.00038	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00018	0.0012	0.51
25	February	0.56	0.1	0.19	0.015	0.027	1.9	0.004	0.16	0.00038	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
25	March	0.88	0.087	0.2	0.016	0.028	1.9	0.004	0.17	0.00038	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.00021	0.0011	0.59
25	April	0.82	0.069	0.19	0.014	0.028	1.8	0.0037	0.16	0.00035	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
25	May	0.38	0.048	0.026	0.007	0.036	1.4	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00016	0.001	0.51
25	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
25	July	0.61	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
25	August	0.55	0.056	0.028	0.012	0.024	1.4	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
25	September	0.5	0.061	0.05	0.0086	0.032	1.4	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
25	October	0.54	0.065	0.055	0.0086	0.031	1.5	0.0041	0.18	0.00025	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
25	November	1.1	0.059	0.066	0.014	0.037	1.5	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
25	December	1.1	0.071	0.068	0.013	0.036	1.7	0.0039	0.16	0.00037	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00017	0.0011	0.48
26	January	1.2	0.098	0.081	0.015	0.036	1.6	0.004	0.18	0.00037	0.0019	0.000023	0.006	0.000023	13	0.00052	0.00018	0.0012	0.51
26	February	0.56	0.1	0.19	0.015	0.026	1.6	0.004	0.16	0.00038	0.0023	0.000013	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
26	March	0.87	0.087	0.2	0.016	0.028	1.7	0.004	0.17	0.00037	0.0024	0.000013	0.0058	0.0000089	15	0.00071	0.0002	0.0011	0.59
26	April	0.82	0.069	0.19	0.014	0.028	1.6	0.0037	0.16	0.00035	0.0024	0.000013	0.0057	0.0000083	15	0.00068	0.0002	0.0011	0.58
26	May	0.38	0.048	0.026	0.007	0.036	1.3	0.0019	0.22	0.00021	0.0019	0.000011	0.0054	0.0000056	10	0.0006	0.00015	0.001	0.51
26	June	0.37	0.04	0.022	0.0066	0.036	1.2	0.0019	0.22	0.00021	0.0019	0.000011	0.0055	0.0000052	9.8	0.0006	0.00015	0.001	0.52
26	July	0.6	0.055	0.029	0.014	0.022	1.3	0.0025	0.22	0.00039	0.003	0.000015	0.0058	0.0000091	11	0.00078	0.00021	0.001	0.61
26	August	0.55	0.056	0.028	0.012	0.024	1.3	0.0041	0.18	0.00035	0.0032	0.000013	0.0057	0.0000091	11	0.00069	0.0002	0.001	0.59
26	September	0.5	0.061	0.05	0.0086	0.032	1.3	0.0039	0.15	0.00021	0.0023	0.000012	0.0057	0.0000045	11	0.00049	0.00016	0.00089	0.46
26	October	0.54	0.065	0.055	0.0086	0.031	1.4	0.0041	0.18	0.00025	0.0023	0.000012	0.0055	0.0000042	12	0.00052	0.00017	0.00086	0.47
26	November	1.1	0.059	0.066	0.014	0.037	1.4	0.0045	0.19	0.00036	0.0021	0.000022	0.006	0.000019	12	0.0005	0.00017	0.0012	0.5
26	December	1.1	0.071	0.068	0.013	0.036	1.5	0.0039	0.16	0.00036	0.0019	0.000021	0.006	0.000019	12	0.00046	0.00017	0.0011	0.48
27	January	1.2	0.098	0.081	0.015	0.036	1.6	0.004	0.16	0.00037	0.0018	0.000023	0.006	0.000021	13	0.0005	0.00017	0.0011	0.5
27	February	0.56	0.1	0.19	0.015	0.026	1.7	0.004	0.14	0.00038	0.0022	0.000013	0.0058	0.0000091	15	0.00065	0.00018	0.001	0.51
27	March	0.88	0.087	0.2	0.016	0.028	1.7	0.004	0.15	0.00038	0.0023	0.000013	0.0058	0.0000067	15	0.00069	0.0002	0.0011	0.58
27	April	0.82	0.069	0.19	0.014	0.028	1.6	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.0000067	15	0.00067	0.00019	0.0011	0.57
27	May	0.38	0.048	0.026	0.007	0.036	1.3	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.000005	10	0.00059	0.00015	0.001	0.51
27	June	0.37	0.04	0.021	0.0065	0.036	1.2	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000048	9.8	0.00059	0.00015	0.001	0.51
27	July	0.61	0.055	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0058	0.0000086	11	0.00078	0.00021	0.001	0.61
27	August	0.56	0.056	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000084	11	0.00068	0.0002	0.001	0.58

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.5	0.061	0.05	0.0085	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000035	11	0.00048	0.00015	0.00087	0.45
27	October	0.55	0.065	0.055	0.0085	0.031	1.4	0.0041	0.17	0.00025	0.0022	0.000012	0.0055	0.000003	12	0.00052	0.00016	0.00084	0.47
27	November	1.1	0.059	0.066	0.014	0.037	1.4	0.0045	0.18	0.00036	0.002	0.000022	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
27	December	1.1	0.071	0.068	0.013	0.036	1.5	0.0039	0.15	0.00036	0.0019	0.000021	0.006	0.000018	12	0.00045	0.00016	0.0011	0.47
28	January	1.2	0.097	0.08	0.015	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.006	0.000021	13	0.0005	0.00017	0.0011	0.5
28	February	0.57	0.1	0.19	0.015	0.026	1.7	0.004	0.14	0.00038	0.0022	0.000013	0.0058	0.0000091	15	0.00065	0.00018	0.001	0.51
28	March	0.89	0.086	0.2	0.016	0.028	1.7	0.004	0.15	0.00038	0.0023	0.000013	0.0058	0.0000067	15	0.00069	0.0002	0.0011	0.58
28	April	0.83	0.069	0.19	0.014	0.028	1.5	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.0000066	15	0.00067	0.00019	0.0011	0.57
28	May	0.38	0.047	0.026	0.007	0.036	1.3	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000049	10	0.00059	0.00015	0.001	0.51
28	June	0.37	0.039	0.021	0.0065	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000048	9.8	0.00059	0.00015	0.001	0.51
28	July	0.61	0.054	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000086	11	0.00078	0.00021	0.001	0.61
28	August	0.56	0.055	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000083	11	0.00068	0.0002	0.001	0.58
28	September	0.51	0.061	0.05	0.0085	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.00048	0.00015	0.00087	0.45
28	October	0.56	0.064	0.055	0.0085	0.031	1.4	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.000003	12	0.00052	0.00016	0.00084	0.46
28	November	1.1	0.058	0.066	0.014	0.037	1.4	0.0045	0.18	0.00036	0.002	0.000022	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
28	December	1.1	0.07	0.068	0.013	0.036	1.5	0.0039	0.15	0.00037	0.0019	0.000021	0.006	0.000018	12	0.00045	0.00016	0.0011	0.47
29	January	1.2	0.096	0.08	0.015	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.0061	0.000021	13	0.0005	0.00017	0.0011	0.5
29	February	0.59	0.1	0.19	0.015	0.026	1.7	0.004	0.14	0.00038	0.0022	0.000013	0.0058	0.0000091	15	0.00065	0.00018	0.001	0.5
29	March	0.9	0.085	0.2	0.015	0.028	1.7	0.004	0.15	0.00038	0.0023	0.000013	0.0058	0.0000067	15	0.00069	0.0002	0.0011	0.58
29	April	0.84	0.068	0.19	0.014	0.028	1.5	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.0000065	15	0.00067	0.00019	0.0011	0.57
29	May	0.39	0.046	0.026	0.0069	0.036	1.2	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000049	10	0.00059	0.00015	0.001	0.51
29	June	0.37	0.038	0.021	0.0064	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000047	9.8	0.00059	0.00015	0.001	0.51
29	July	0.61	0.053	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000085	11	0.00078	0.00021	0.001	0.61
29	August	0.57	0.055	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000083	11	0.00068	0.0002	0.001	0.58
29	September	0.52	0.06	0.05	0.0085	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.00048	0.00015	0.00087	0.45
29	October	0.56	0.064	0.055	0.0084	0.031	1.4	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.000003	12	0.00051	0.00016	0.00084	0.46
29	November	1.1	0.058	0.066	0.014	0.037	1.4	0.0045	0.18	0.00037	0.002	0.000022	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
29	December	1.1	0.069	0.067	0.013	0.036	1.5	0.0039	0.14	0.00037	0.0019	0.000021	0.0061	0.000018	12	0.00045	0.00016	0.0011	0.47
30	January	1.2	0.096	0.08	0.015	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.0061	0.000021	13	0.0005	0.00017	0.0011	0.5
30	February	0.6	0.1	0.19	0.015	0.026	1.7	0.004	0.14	0.00039	0.0022	0.000013	0.0059	0.0000091	15	0.00065	0.00018	0.001	0.5
30	March	0.92	0.084	0.2	0.015	0.028	1.7	0.004	0.15	0.00039	0.0023	0.000013	0.0059	0.0000067	15	0.00069	0.00019	0.0011	0.58
30	April	0.85	0.067	0.19	0.013	0.028	1.5	0.0037	0.15	0.00035	0.0022	0.000013	0.0058	0.0000065	15	0.00067	0.00019	0.0011	0.57
30	May	0.39	0.045	0.026	0.0068	0.036	1.2	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000048	10	0.00059	0.00015	0.001	0.51
30	June	0.38	0.038	0.021	0.0064	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000047	9.8	0.00059	0.00014	0.001	0.51
30	July	0.62	0.053	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000085	11	0.00077	0.00021	0.001	0.61
30	August	0.57	0.054	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000082	11	0.00068	0.00019	0.001	0.58
30	September	0.52	0.06	0.05	0.0084	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.00048	0.00015	0.00087	0.45
30	October	0.57	0.063	0.055	0.0084	0.031	1.4	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.0000029	12	0.00051	0.00016	0.00084	0.46
30	November	1.1	0.057	0.066	0.014	0.037	1.3	0.0045	0.18	0.00037	0.002	0.000022	0.006	0.000017	12	0.00048	0.00016	0.0011	0.49
30	December	1.1	0.068	0.067	0.013	0.036	1.5	0.0039	0.14	0.00037	0.0018	0.000021	0.0061	0.000018	12	0.00045	0.00016	0.0011	0.47
31	January	1.2	0.093	0.08	0.014	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.0061	0.000021	13	0.0005	0.00017	0.0011	0.5
31	February	0.61	0.096	0.19	0.015	0.026	1.7	0.004	0.14	0.00039	0.0022	0.000013	0.0059	0.000009	15	0.00065	0.00018	0.001	0.5
31	March	0.92	0.08	0.2	0.015	0.028	1.7	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.58
31	April	0.85	0.066	0.19	0.013	0.028	1.5	0.0037	0.15	0.00035	0.0022	0.000013	0.0058	0.0000065	15	0.00067	0.00019	0.0011	0.57
31	May	0.39	0.044	0.026	0.0068	0.036	1.2	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000048	9.9	0.00059	0.00015	0.001	0.51
31	June	0.38	0.037	0.021	0.0064	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000047	9.8	0.00059	0.00014	0.001	0.51
31	July	0.62	0.052	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000085	11	0.00077	0.00021	0.001	0.61
31	August	0.57	0.054	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000082	11	0.00068	0.00019	0.001	0.58
31	September	0.52	0.059	0.05	0.0084	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000033	11	0.00048	0.00015	0.00086	0.45
31	October	0.57	0.062	0.055	0.0084	0.031	1.3	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.0000029	12	0.00051	0.00016	0.00084	0.46
31	November	1.1	0.056	0.066	0.014	0.037	1.3	0.0045	0.18	0.00037	0.002	0.000022	0.006	0.000017	12	0.00048	0.00016	0.0011	0.49
31	December	1.1	0.066	0.067	0.013	0.036	1.5	0.0039	0.14	0.00037	0.0018	0.000021	0.0061	0.000017	12	0.00045	0.00016	0.0011	0.47
32	January	1.2	0.092	0.08	0.014	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.0061	0.000021	13	0.0005	0.00017	0.0011	0.5
32	February	0.61	0.096	0.19	0.015	0.026	1.7	0.004	0.14	0.00039	0.0022	0.000013	0.0059	0.000009	15	0.00065	0.00018	0.001	0.5
32	March	0.92	0.08	0.2	0.015	0.028	1.7	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.57
32	April	0.85	0.065	0.19	0.013	0.028	1.5	0.0037	0.15	0.00035	0.0022	0.000013	0.0058	0.0000064	15	0.00067	0.00019	0.0011	0.57

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.39	0.044	0.026	0.0068	0.036	1.2	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000048	9.9	0.00059	0.00015	0.001	0.51
32	June	0.38	0.037	0.021	0.0064	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000047	9.8	0.00059	0.00014	0.001	0.51
32	July	0.62	0.052	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000085	11	0.00077	0.00021	0.001	0.61
32	August	0.57	0.054	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000082	11	0.00068	0.00019	0.001	0.58
32	September	0.52	0.059	0.05	0.0084	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000033	11	0.00048	0.00015	0.00086	0.45
32	October	0.57	0.062	0.055	0.0084	0.031	1.3	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.0000029	12	0.00051	0.00016	0.00084	0.46
32	November	1.1	0.056	0.066	0.014	0.037	1.3	0.0045	0.18	0.00037	0.002	0.000022	0.006	0.000017	12	0.00048	0.00016	0.0011	0.49
32	December	1.1	0.066	0.067	0.013	0.036	1.5	0.0039	0.14	0.00037	0.0018	0.000021	0.0061	0.000017	12	0.00045	0.00016	0.0011	0.47
33	January	1.2	0.092	0.08	0.014	0.036	1.6	0.004	0.16	0.00038	0.0018	0.000023	0.0061	0.000021	13	0.0005	0.00017	0.0011	0.5
33	February	0.61	0.096	0.19	0.015	0.026	1.7	0.004	0.14	0.00039	0.0022	0.000013	0.0059	0.000009	15	0.00065	0.00018	0.001	0.5
33	March	0.92	0.08	0.2	0.015	0.028	1.7	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.57
33	April	0.85	0.065	0.19	0.013	0.028	1.5	0.0037	0.15	0.00035	0.0022	0.000013	0.0058	0.0000064	15	0.00067	0.00019	0.0011	0.57
33	May	0.39	0.044	0.026	0.0068	0.036	1.2	0.0019	0.22	0.0002	0.0018	0.000011	0.0054	0.0000048	9.9	0.00059	0.00015	0.001	0.51
33	June	0.38	0.037	0.021	0.0064	0.036	1.1	0.0019	0.22	0.00021	0.0018	0.000011	0.0055	0.0000046	9.8	0.00059	0.00014	0.001	0.51
33	July	0.62	0.052	0.029	0.014	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.00021	0.001	0.61
33	August	0.57	0.054	0.028	0.012	0.024	1.3	0.0041	0.17	0.00035	0.0032	0.000013	0.0058	0.0000082	11	0.00068	0.00019	0.001	0.58
33	September	0.52	0.059	0.05	0.0084	0.032	1.3	0.0039	0.14	0.00021	0.0023	0.000012	0.0057	0.0000033	11	0.00048	0.00015	0.00086	0.45
33	October	0.57	0.062	0.055	0.0084	0.031	1.3	0.0041	0.17	0.00025	0.0022	0.000012	0.0056	0.0000029	12	0.00051	0.00016	0.00084	0.46
33	November	1.1	0.056	0.066	0.014	0.037	1.3	0.0045	0.18	0.00037	0.002	0.000022	0.006	0.000017	12	0.00048	0.00016	0.0011	0.49
33	December	1.1	0.066	0.067	0.013	0.036	1.5	0.0039	0.14	0.00037	0.0018	0.000021	0.0061	0.000017	12	0.00045	0.00016	0.0011	0.47
34	January	1.4	0.11	0.08	0.015	0.034	2.2	0.0038	0.15	0.0004	0.0018	0.000022	0.0065	0.000019	13	0.00056	0.00018	0.0012	0.46
34	February	0.73	0.074	0.19	0.013	0.026	1.8	0.0039	0.14	0.0004	0.0022	0.000014	0.0063	0.0000092	16	0.00067	0.00019	0.001	0.5
34	March	1.1	0.055	0.2	0.013	0.028	1.8	0.0038	0.15	0.0004	0.0022	0.000014	0.0064	0.0000068	15	0.00071	0.0002	0.0011	0.57
34	April	1	0.051	0.18	0.012	0.027	1.6	0.0035	0.14	0.00036	0.0022	0.000013	0.0061	0.0000065	14	0.0007	0.00018	0.0011	0.53
34	May	0.51	0.032	0.026	0.0057	0.035	1.2	0.0018	0.21	0.00021	0.0018	0.000011	0.0057	0.0000049	9.9	0.00061	0.00014	0.001	0.49
34	June	0.46	0.031	0.021	0.0058	0.035	1.1	0.0019	0.21	0.00021	0.0018	0.000011	0.0057	0.0000047	9.8	0.00061	0.00014	0.001	0.5
34	July	0.68	0.048	0.029	0.013	0.022	1.2	0.0024	0.21	0.00039	0.003	0.000015	0.006	0.0000084	11	0.00078	0.0002	0.001	0.6
34	August	0.67	0.048	0.028	0.011	0.023	1.3	0.004	0.16	0.00036	0.0031	0.000013	0.006	0.0000082	11	0.00069	0.00019	0.001	0.57
34	September	0.67	0.049	0.048	0.0073	0.031	1.3	0.0038	0.14	0.00023	0.0022	0.000012	0.0061	0.0000035	11	0.00051	0.00015	0.00089	0.43
34	October	0.71	0.048	0.053	0.0069	0.03	1.3	0.0039	0.16	0.00026	0.0022	0.000012	0.0059	0.0000031	12	0.00054	0.00015	0.00086	0.45
34	November	1.1	0.045	0.064	0.013	0.036	1.2	0.0044	0.18	0.00036	0.002	0.000022	0.0061	0.000017	12	0.00049	0.00016	0.0011	0.49
34	December	1.2	0.047	0.065	0.011	0.036	1.5	0.0038	0.14	0.00037	0.0018	0.000021	0.0064	0.000018	12	0.00046	0.00016	0.0011	0.46
35	January	1.3	0.071	0.077	0.012	0.036	1.6	0.0039	0.16	0.00038	0.0018	0.000023	0.0065	0.000021	13	0.00052	0.00017	0.0011	0.49
35	February	0.71	0.072	0.19	0.012	0.026	1.7	0.0039	0.14	0.00039	0.0022	0.000014	0.0063	0.0000091	16	0.00067	0.00018	0.001	0.5
35	March	1	0.054	0.2	0.013	0.028	1.7	0.0038	0.15	0.00039	0.0022	0.000014	0.0063	0.0000067	15	0.00071	0.0002	0.0011	0.57
35	April	1	0.05	0.18	0.011	0.027	1.6	0.0035	0.14	0.00036	0.0022	0.000014	0.0063	0.0000065	15	0.0007	0.00019	0.0011	0.54
35	May	0.5	0.031	0.026	0.0056	0.035	1.1	0.0018	0.21	0.00021	0.0018	0.000011	0.0056	0.0000049	9.9	0.00061	0.00014	0.001	0.49
35	June	0.51	0.032	0.023	0.0058	0.035	1.4	0.0019	0.21	0.00023	0.0018	0.000011	0.0057	0.0000097	9.9	0.0006	0.00016	0.001	0.49
35	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
35	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
35	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
35	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
35	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
35	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
36	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
36	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
36	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
36	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
36	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
36	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
36	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
36	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
36	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
36	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
36	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
36	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
37	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
37	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
37	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
37	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
37	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
37	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
37	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
37	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
37	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
37	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
37	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
38	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
38	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
38	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
38	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
38	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
38	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
38	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
38	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
38	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
38	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
38	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
38	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
39	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
39	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
39	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
39	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
39	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
39	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
39	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
39	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
39	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
39	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
39	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
39	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
40	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
40	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
40	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
40	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
40	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
40	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
40	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
40	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
40	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
40	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
40	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
40	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
41	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
41	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
41	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
41	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
41	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
41	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
41	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
41	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
41	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
41	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
41	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
42	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
42	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
42	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
42	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
42	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
42	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
42	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
42	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
42	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
42	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
42	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
42	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
43	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
43	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
43	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
43	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
43	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
43	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
43	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
43	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
43	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
43	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
43	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
43	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
44	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
44	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
44	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
44	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
44	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
44	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
44	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
44	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
44	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
44	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
44	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
44	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
45	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
45	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
45	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
45	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
45	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
45	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
45	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
45	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
45	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
45	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
45	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
45	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
46	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
46	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
46	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
46	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
46	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
46	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
46	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
46	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
46	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
46	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
46	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
47	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
47	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
47	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
47	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
47	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
47	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
47	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
47	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
47	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
47	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
47	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
47	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
48	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
48	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
48	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
48	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
48	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
48	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
48	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
48	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
48	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
48	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
48	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
48	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
49	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
49	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
49	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
49	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
49	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
49	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
49	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
49	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
49	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
49	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
49	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
49	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
50	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
50	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
50	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
50	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
50	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
50	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
50	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
50	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
50	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
50	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
50	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
50	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
51	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
51	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
51	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
51	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
51	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
51	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
51	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
51	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
51	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
51	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
51	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
52	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
52	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
52	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
52	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
52	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
52	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
52	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
52	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
52	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
52	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
52	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
52	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
53	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
53	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
53	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
53	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
53	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
53	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
53	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
53	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
53	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
53	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
53	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
53	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
54	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
54	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
54	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
54	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
54	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
54	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
54	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
54	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
54	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
54	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
54	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
54	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
55	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
55	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
55	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
55	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
55	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
55	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
55	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
55	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
55	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
55	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
55	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
56	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
56	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
56	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
56	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
56	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
56	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
56	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
56	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
56	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
56	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
56	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
56	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
57	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
57	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
57	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
57	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
57	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
57	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
57	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
57	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
57	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
57	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
57	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
57	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
58	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
58	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
58	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
58	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
58	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
58	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
58	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
58	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
58	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
58	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
58	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
58	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
59	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
59	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
59	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
59	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
59	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
59	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
59	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
59	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
59	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
59	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
59	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
59	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
60	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
60	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
60	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
60	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
60	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
60	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
60	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
60	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
60	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
60	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
60	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
61	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
61	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
61	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
61	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
61	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
61	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
61	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
61	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
61	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
61	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
61	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
61	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
62	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
62	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
62	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
62	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
62	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
62	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
62	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
62	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
62	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
62	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
62	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
62	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
63	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
63	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
63	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
63	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
63	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
63	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
63	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
63	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
63	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
63	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
63	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
63	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
64	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
64	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
64	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
64	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
64	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
64	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
64	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
64	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
64	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
64	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
64	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
64	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
65	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
65	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
65	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
65	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
65	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
65	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
65	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
65	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
65	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
65	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
65	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
66	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
66	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
66	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
66	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
66	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
66	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
66	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
66	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
66	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
66	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
66	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
66	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
67	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
67	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
67	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
67	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
67	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
67	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
67	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
67	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
67	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
67	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
67	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
67	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
68	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
68	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
68	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
68	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
68	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
68	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
68	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
68	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
68	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
68	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
68	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
68	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
69	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
69	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
69	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
69	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
69	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
69	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
69	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
69	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
69	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
69	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
69	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46
70	January	1.3	0.071	0.077	0.012	0.036	1.9	0.0038	0.16	0.0004	0.0018	0.000023	0.0065	0.000025	13	0.00051	0.00019	0.0011	0.49
70	February	0.76	0.072	0.18	0.012	0.026	2.0	0.0038	0.14	0.0004	0.0022	0.000013	0.0064	0.000014	16	0.00066	0.0002	0.001	0.49
70	March	1.1	0.054	0.19	0.013	0.028	2.0	0.0038	0.14	0.0004	0.0023	0.000013	0.0064	0.000012	15	0.0007	0.00022	0.0011	0.56
70	April	1.2	0.051	0.17	0.011	0.026	2.8	0.0034	0.13	0.00043	0.0023	0.000013	0.0065	0.000025	15	0.00067	0.00026	0.0011	0.5
70	May	0.63	0.032	0.029	0.0057	0.034	1.9	0.0018	0.2	0.00026	0.0019	0.00001	0.0058	0.000016	10	0.0006	0.00019	0.001	0.47
70	June	0.56	0.032	0.024	0.0059	0.035	1.7	0.0019	0.2	0.00025	0.0019	0.00001	0.0058	0.000014	10	0.00059	0.00018	0.001	0.48
70	July	0.73	0.048	0.03	0.013	0.022	1.5	0.0024	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00077	0.00023	0.001	0.59
70	August	0.75	0.048	0.03	0.011	0.023	1.9	0.0039	0.16	0.00039	0.0031	0.000013	0.0061	0.000016	11	0.00068	0.00023	0.001	0.55
70	September	0.79	0.049	0.05	0.0074	0.03	2.2	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
70	October	0.83	0.048	0.055	0.0071	0.03	2.2	0.0038	0.15	0.00031	0.0022	0.000012	0.0061	0.000016	12	0.00053	0.00021	0.00086	0.43
70	November	1.1	0.045	0.065	0.013	0.036	1.3	0.0044	0.18	0.00037	0.002	0.000022	0.0062	0.00002	12	0.00049	0.00017	0.0011	0.48
70	December	1.2	0.047	0.065	0.011	0.035	1.7	0.0038	0.14	0.00038	0.0019	0.000021	0.0064	0.000021	12	0.00046	0.00018	0.0011	0.46

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00018	3.5	0.024	0.0000015	0.00025	0.00084	1.2	0.00016	0.000021	0.000004	0.00002	0.00029	0.00089	0.0013	0.00085	0.00057
-6	February	0.00017	4.2	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00083	0.002	0.00086	0.00057
-6	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00075	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00084	0.002	0.00086	0.0004
-6	April	0.00017	4.2	0.047	0.0000014	0.00024	0.00073	1.2	0.00013	0.00002	0.0000041	0.000031	0.00021	0.00084	0.0021	0.0008	0.00038
-6	May	0.00016	3.1	0.022	0.0000019	0.00018	0.00071	1.1	0.00011	0.000012	0.000005	0.000037	0.00021	0.001	0.0016	0.00057	0.00025
-6	June	0.00016	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.001	0.0015	0.00058	0.00025
-6	July	0.00021	3.3	0.047	0.0000018	0.00024	0.00083	1.0	0.00011	0.000023	0.0000046	0.000022	0.00017	0.00095	0.0022	0.00091	0.0004
-6	August	0.00021	3.5	0.051	0.0000017	0.00025	0.00081	1.1	0.00011	0.00002	0.0000038	0.000031	0.00019	0.00094	0.0019	0.00082	0.00039
-6	September	0.00013	3.2	0.023	0.0000015	0.00024	0.00074	0.99	0.000086	0.000013	0.0000055	0.00005	0.0002	0.00082	0.0013	0.00059	0.0004
-6	October	0.00014	3.5	0.023	0.0000014	0.00026	0.00073	1.1	0.000082	0.000014	0.0000058	0.000054	0.00023	0.00086	0.0014	0.00061	0.00039
-6	November	0.00017	3.3	0.02	0.0000015	0.00024	0.00085	1.1	0.00007	0.000023	0.0000046	0.000026	0.00025	0.00088	0.0012	0.00088	0.00037
-6	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.1	0.000067	0.00002	0.000004	0.000025	0.00024	0.00084	0.0011	0.0008	0.00037
-5	January	0.00018	3.4	0.024	0.0000015	0.00025	0.00084	1.2	0.00016	0.000021	0.000004	0.00002	0.00028	0.00088	0.0012	0.00085	0.00056
-5	February	0.00017	4.2	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00083	0.002	0.00086	0.00057
-5	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00074	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00084	0.002	0.00086	0.0004
-5	April	0.00017	4.2	0.047	0.0000014	0.00024	0.00073	1.2	0.00013	0.00002	0.0000041	0.000031	0.00021	0.00084	0.0021	0.0008	0.00038
-5	May	0.00016	3.1	0.022	0.0000019	0.00018	0.00071	1.1	0.00011	0.000012	0.000005	0.000037	0.0002	0.001	0.0016	0.00057	0.00025
-5	June	0.00016	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.001	0.0015	0.00058	0.00025
-5	July	0.00021	3.3	0.047	0.0000018	0.00024	0.00083	1.0	0.00011	0.000023	0.0000046	0.000022	0.00017	0.00095	0.0022	0.00091	0.0004
-5	August	0.00021	3.5	0.051	0.0000017	0.00025	0.00081	1.1	0.00011	0.00002	0.0000038	0.000031	0.00019	0.00094	0.0019	0.00082	0.00039
-5	September	0.00013	3.2	0.023	0.0000015	0.00024	0.00074	0.99	0.000086	0.000013	0.0000055	0.00005	0.0002	0.00082	0.0013	0.00058	0.0004
-5	October	0.00014	3.5	0.023	0.0000014	0.00026	0.00073	1.1	0.000082	0.000014	0.0000058	0.000054	0.00023	0.00086	0.0014	0.00061	0.00039
-5	November	0.00017	3.3	0.02	0.0000015	0.00024	0.00085	1.1	0.00007	0.000023	0.0000046	0.000026	0.00025	0.00088	0.0012	0.00088	0.00037
-5	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.1	0.000067	0.00002	0.000004	0.000025	0.00024	0.00084	0.0011	0.0008	0.00037
-4	January	0.00018	3.4	0.024	0.0000015	0.00025	0.00084	1.2	0.00016	0.000021	0.000004	0.00002	0.00028	0.00088	0.0012	0.00085	0.00056
-4	February	0.00017	4.2	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00083	0.002	0.00086	0.00057
-4	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00074	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00084	0.002	0.00086	0.0004
-4	April	0.00017	4.2	0.047	0.0000014	0.00024	0.00073	1.2	0.00013	0.00002	0.0000041	0.000031	0.00021	0.00084	0.0021	0.0008	0.00038
-4	May	0.00016	3.1	0.022	0.0000019	0.00018	0.00071	1.1	0.00011	0.000012	0.000005	0.000037	0.0002	0.001	0.0016	0.00057	0.00025
-4	June	0.00016	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.001	0.0015	0.00058	0.00025
-4	July	0.00021	3.3	0.047	0.0000018	0.00024	0.00083	1.0	0.00011	0.000023	0.0000046	0.000022	0.00017	0.00095	0.0022	0.00091	0.0004
-4	August	0.00021	3.5	0.051	0.0000017	0.00025	0.00081	1.1	0.00011	0.00002	0.0000038	0.000031	0.00019	0.00094	0.0019	0.00082	0.00039
-4	September	0.00013	3.2	0.023	0.0000015	0.00024	0.00074	0.99	0.000086	0.000013	0.0000055	0.00005	0.0002	0.00082	0.0013	0.00058	0.0004
-4	October	0.00014	3.5	0.023	0.0000014	0.00026	0.00073	1.1	0.000082	0.000014	0.0000058	0.000054	0.00023	0.00086	0.0014	0.00061	0.00039
-4	November	0.00017	3.3	0.02	0.0000015	0.00024	0.00085	1.1	0.00007	0.000023	0.0000046	0.000026	0.00025	0.00088	0.0012	0.00088	0.00037
-4	December	0.00016	3.2	0.02	0.0000013	0.00023	0.00081	1.1	0.000067	0.00002	0.000004	0.000025	0.00024	0.00084	0.0011	0.0008	0.00037
-3	January	0.00024	3.4	0.024	0.0000015	0.00025	0.00087	1.2	0.00016	0.000021	0.0000041	0.000021	0.00028	0.0009	0.0016	0.00088	0.00056
-3	February	0.00024	4.2	0.044	0.0000015	0.00026	0.00072	1.3	0.00023	0.000021	0.0000041	0.000029	0.00025	0.00085	0.0024	0.00088	0.00057
-3	March	0.00026	4.2	0.047	0.0000015	0.00024	0.00078	1.3	0.00014	0.000021	0.0000041	0.000029	0.00021	0.00086	0.0024	0.0009	0.0004
-3	April	0.00024	4.2	0.048	0.0000014	0.00024	0.00076	1.2	0.00013	0.00002	0.0000042	0.000032	0.00021	0.00085	0.0024	0.00083	0.00038
-3	May	0.00019	3.1	0.022	0.0000019	0.00018	0.00072	1.1	0.00011	0.000012	0.000005	0.000037	0.0002	0.001	0.0017	0.00058	0.00025
-3	June	0.00018	3.0	0.021	0.0000019	0.00018	0.0007	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.001	0.0016	0.00059	0.00025
-3	July	0.00023	3.3	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000047	0.000022	0.00017	0.00096	0.0023	0.00091	0.0004
-3	August	0.00024	3.5	0.051	0.0000017	0.00025	0.00082	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00095	0.002	0.00083	0.00039
-3	September	0.00017	3.2	0.023	0.0000015	0.00024	0.00076	0.99	0.000087	0.000013	0.0000055	0.00005	0.0002	0.00083	0.0015	0.0006	0.0004
-3	October	0.00019	3.5	0.024	0.0000015	0.00026	0.00075	1.1	0.000082	0.000015	0.0000058	0.000055	0.00023	0.00087	0.0016	0.00063	0.00039
-3	November	0.00022	3.3	0.021	0.0000015	0.00024	0.00088	1.1	0.00007	0.000023	0.0000047	0.000026	0.00025	0.00089	0.0014	0.0009	0.00037
-3	December	0.00022	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000025	0.00024	0.00086	0.0014	0.00082	0.00037
-2	January	0.00025	3.4	0.024	0.0000015	0.00025	0.00087	1.2	0.00016	0.000021	0.0000041	0.000021	0.00028	0.0009	0.0016	0.00088	0.00057
-2	February	0.00025	4.2	0.044	0.0000015	0.00026	0.00073	1.3	0.00023	0.000021	0.0000041	0.000029	0.00025	0.00085	0.0024	0.00089	0.00057
-2	March	0.00027	4.2	0.047	0.0000015	0.00024	0.00079	1.3	0.00014	0.000021	0.0000041	0.000029	0.00021	0.00086	0.0025	0.0009	0.0004
-2	April	0.00024	4.2	0.048	0.0000014	0.00024	0.00077	1.2	0.00013	0.00002	0.0000042	0.000032	0.00021	0.00086	0.0024	0.00083	0.00038
-2	May	0.00019	3.1	0.022	0.0000019	0.00018	0.00072	1.1	0.00011	0.000012	0.000005	0.000037	0.0002	0.001	0.0017	0.00059	0.00025
-2	June	0.00018	3.0	0.021	0.0000019	0.00018	0.0007	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.001	0.0016	0.00059	0.00025
-2	July	0.00023	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000047	0.000022	0.00017	0.00096	0.0023	0.00091	0.0004
-2	August	0.00024	3.5	0.051	0.0000017	0.00025	0.00082	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00095	0.002	0.00083	0.00039

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00018	3.2	0.023	0.0000015	0.00025	0.00076	0.99	0.000087	0.000014	0.0000055	0.00005	0.0002	0.00083	0.0016	0.0006	0.0004
-2	October	0.00019	3.5	0.024	0.0000015	0.00026	0.00075	1.1	0.000082	0.000015	0.0000058	0.000055	0.00023	0.00087	0.0016	0.00063	0.00039
-2	November	0.00022	3.3	0.021	0.0000015	0.00024	0.00088	1.1	0.00007	0.000023	0.0000047	0.000026	0.00025	0.00089	0.0014	0.0009	0.00037
-2	December	0.00022	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000025	0.00024	0.00086	0.0014	0.00082	0.00037
-1	January	0.00025	3.4	0.024	0.0000015	0.00025	0.00087	1.2	0.00016	0.000021	0.0000041	0.000021	0.00028	0.0009	0.0016	0.00088	0.00057
-1	February	0.00025	4.2	0.044	0.0000015	0.00026	0.00073	1.3	0.00023	0.000021	0.0000041	0.000029	0.00025	0.00085	0.0024	0.00089	0.00057
-1	March	0.00027	4.2	0.047	0.0000015	0.00024	0.00079	1.3	0.00014	0.000021	0.0000041	0.000029	0.00021	0.00086	0.0025	0.0009	0.0004
-1	April	0.00024	4.1	0.047	0.0000014	0.00024	0.00076	1.2	0.00013	0.00002	0.0000042	0.000031	0.00021	0.00084	0.0024	0.00084	0.00039
-1	May	0.00019	3.1	0.021	0.0000018	0.00018	0.00071	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0017	0.00058	0.00025
-1	June	0.00019	3.0	0.021	0.0000018	0.00018	0.0007	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.00099	0.0016	0.00058	0.00025
-1	July	0.00023	3.3	0.047	0.0000017	0.00024	0.00084	1.0	0.00011	0.000023	0.0000047	0.000022	0.00016	0.00096	0.0023	0.00092	0.0004
-1	August	0.00024	3.5	0.05	0.0000016	0.00025	0.00082	1.1	0.00011	0.00002	0.0000039	0.00003	0.00019	0.00094	0.002	0.00083	0.00039
-1	September	0.00018	3.1	0.022	0.0000015	0.00024	0.00075	0.97	0.000086	0.000013	0.0000055	0.000049	0.00019	0.00082	0.0016	0.0006	0.0004
-1	October	0.00019	3.4	0.023	0.0000015	0.00026	0.00075	1.0	0.000082	0.000014	0.0000059	0.000054	0.00022	0.00086	0.0016	0.00063	0.00039
-1	November	0.00023	3.2	0.02	0.0000015	0.00023	0.00088	1.1	0.00007	0.000023	0.0000047	0.000026	0.00024	0.00089	0.0014	0.00091	0.00038
-1	December	0.00023	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000026	0.00023	0.00086	0.0014	0.00082	0.00037
1	January	0.00024	3.4	0.024	0.0000015	0.00025	0.00087	1.2	0.00016	0.000021	0.0000041	0.000021	0.00028	0.0009	0.0016	0.00088	0.00057
1	February	0.00024	4.2	0.044	0.0000015	0.00026	0.00072	1.3	0.00023	0.000021	0.0000041	0.000029	0.00025	0.00085	0.0023	0.00088	0.00059
1	March	0.00025	4.2	0.047	0.0000015	0.00024	0.00078	1.3	0.00014	0.000021	0.0000041	0.000029	0.00021	0.00086	0.0024	0.0009	0.00041
1	April	0.00023	4.1	0.047	0.0000015	0.00024	0.00076	1.2	0.00013	0.00002	0.0000042	0.000031	0.00021	0.00084	0.0023	0.00084	0.00041
1	May	0.00019	3.1	0.021	0.0000018	0.00018	0.0007	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0017	0.00058	0.00026
1	June	0.00018	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000036	0.0002	0.00099	0.0016	0.00058	0.00026
1	July	0.00023	3.3	0.047	0.0000017	0.00024	0.00083	1.0	0.00011	0.000023	0.0000047	0.000022	0.00017	0.00095	0.0023	0.00092	0.00041
1	August	0.00024	3.5	0.05	0.0000016	0.00025	0.00082	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00094	0.002	0.00083	0.0004
1	September	0.00017	3.1	0.022	0.0000015	0.00024	0.00075	0.97	0.000086	0.000013	0.0000055	0.000049	0.00019	0.00082	0.0015	0.0006	0.00042
1	October	0.00018	3.4	0.023	0.0000014	0.00026	0.00075	1.0	0.000083	0.000014	0.0000059	0.000055	0.00022	0.00086	0.0016	0.00063	0.00041
1	November	0.00022	3.2	0.02	0.0000015	0.00024	0.00088	1.1	0.00007	0.000023	0.0000047	0.000026	0.00024	0.00089	0.0014	0.00091	0.0004
1	December	0.00022	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000026	0.00023	0.00086	0.0014	0.00082	0.00038
2	January	0.00024	3.4	0.024	0.0000015	0.00026	0.00087	1.2	0.00016	0.000021	0.0000041	0.000023	0.00028	0.0009	0.0016	0.00088	0.00061
2	February	0.00024	4.2	0.044	0.0000015	0.00027	0.00072	1.3	0.00023	0.000021	0.0000041	0.00003	0.00025	0.00085	0.0023	0.00088	0.00062
2	March	0.00025	4.2	0.047	0.0000015	0.00024	0.00078	1.3	0.00014	0.000021	0.0000041	0.00003	0.00021	0.00086	0.0024	0.0009	0.00042
2	April	0.00023	4.1	0.047	0.0000015	0.00025	0.00076	1.2	0.00014	0.00002	0.0000042	0.000033	0.00021	0.00084	0.0023	0.00084	0.00044
2	May	0.00019	3.1	0.021	0.0000018	0.00018	0.0007	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0017	0.00058	0.00029
2	June	0.00018	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0016	0.00058	0.00027
2	July	0.00023	3.3	0.047	0.0000017	0.00024	0.00084	1.0	0.00011	0.000023	0.0000047	0.000022	0.00017	0.00096	0.0023	0.00092	0.00042
2	August	0.00024	3.5	0.05	0.0000016	0.00025	0.00082	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00094	0.002	0.00083	0.00042
2	September	0.00017	3.1	0.022	0.0000015	0.00024	0.00075	0.98	0.000087	0.000013	0.0000055	0.00005	0.00019	0.00082	0.0015	0.0006	0.00043
2	October	0.00018	3.4	0.023	0.0000014	0.00027	0.00075	1.0	0.000083	0.000014	0.0000059	0.000056	0.00022	0.00086	0.0016	0.00063	0.00044
2	November	0.00022	3.2	0.02	0.0000015	0.00024	0.00088	1.1	0.00007	0.000023	0.0000047	0.000027	0.00024	0.00089	0.0014	0.00091	0.00042
2	December	0.00022	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000026	0.00023	0.00086	0.0014	0.00082	0.00039
3	January	0.00024	3.4	0.024	0.0000015	0.00026	0.00087	1.2	0.00016	0.000021	0.0000041	0.000024	0.00028	0.0009	0.0016	0.00088	0.00064
3	February	0.00024	4.2	0.044	0.0000015	0.00027	0.00072	1.3	0.00023	0.000021	0.0000041	0.000032	0.00026	0.00085	0.0023	0.00088	0.00066
3	March	0.00025	4.2	0.047	0.0000015	0.00025	0.00078	1.3	0.00014	0.000021	0.0000041	0.00003	0.00021	0.00086	0.0024	0.0009	0.00043
3	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00084	0.0023	0.00084	0.00048
3	May	0.00019	3.1	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00099	0.0017	0.00058	0.00031
3	June	0.00018	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0016	0.00058	0.00029
3	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000022	0.00017	0.00096	0.0023	0.00092	0.00043
3	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00043
3	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000051	0.0002	0.00082	0.0015	0.0006	0.00045
3	October	0.00018	3.4	0.023	0.0000015	0.00027	0.00075	1.0	0.000084	0.000014	0.0000059	0.000057	0.00023	0.00086	0.0016	0.00063	0.00046
3	November	0.00022	3.2	0.02	0.0000015	0.00024	0.00088	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00089	0.0014	0.00091	0.00043
3	December	0.00022	3.2	0.02	0.0000013	0.00023	0.00084	1.1	0.000067	0.00002	0.0000041	0.000026	0.00023	0.00086	0.0014	0.00082	0.00039
4	January	0.00024	3.4	0.024	0.0000015	0.00027	0.00087	1.2	0.00016	0.000021	0.0000041	0.000024	0.00028	0.0009	0.0016	0.00088	0.00067
4	February	0.00024	4.2	0.044	0.0000015	0.00028	0.00072	1.3	0.00023	0.000021	0.0000041	0.000032	0.00026	0.00085	0.0023	0.00088	0.00069
4	March	0.00025	4.2	0.047	0.0000015	0.00026	0.00078	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00086	0.0024	0.0009	0.00054
4	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00084	0.0023	0.00084	0.0005

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00019	3.1	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00099	0.0017	0.00058	0.00033
4	June	0.00018	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0016	0.00058	0.0003
4	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00044
4	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00044
4	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000051	0.0002	0.00082	0.0015	0.0006	0.00047
4	October	0.00018	3.4	0.023	0.0000014	0.00027	0.00075	1.0	0.000084	0.000014	0.0000059	0.000057	0.00023	0.00086	0.0016	0.00063	0.00048
4	November	0.00022	3.2	0.02	0.0000015	0.00024	0.00088	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00089	0.0014	0.00091	0.00045
4	December	0.00022	3.2	0.02	0.0000013	0.00025	0.00084	1.2	0.000069	0.00002	0.0000041	0.000029	0.00024	0.00086	0.0014	0.00082	0.00049
5	January	0.00024	3.4	0.024	0.0000015	0.00027	0.00087	1.2	0.00016	0.000021	0.0000041	0.000025	0.00028	0.0009	0.0016	0.00088	0.0007
5	February	0.00024	4.2	0.044	0.0000015	0.00028	0.00072	1.3	0.00023	0.000021	0.0000041	0.000033	0.00026	0.00085	0.0023	0.00088	0.00072
5	March	0.00025	4.2	0.047	0.0000015	0.00027	0.00078	1.3	0.00014	0.000021	0.0000041	0.000034	0.00021	0.00086	0.0024	0.0009	0.00058
5	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00084	0.0023	0.00084	0.0005
5	May	0.00019	3.1	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00099	0.0017	0.00058	0.00033
5	June	0.00018	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0016	0.00058	0.0003
5	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00044
5	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00045
5	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000051	0.0002	0.00082	0.0015	0.0006	0.00048
5	October	0.00018	3.4	0.023	0.0000014	0.00027	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.0005
5	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00089	0.0014	0.00091	0.00046
5	December	0.00022	3.2	0.02	0.0000013	0.00025	0.00084	1.2	0.000069	0.00002	0.0000041	0.00003	0.00024	0.00086	0.0014	0.00082	0.00051
6	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00016	0.000021	0.0000041	0.000026	0.00029	0.0009	0.0016	0.00088	0.00073
6	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00023	0.000021	0.0000041	0.000034	0.00026	0.00085	0.0023	0.00088	0.00076
6	March	0.00025	4.2	0.047	0.0000015	0.00027	0.00078	1.3	0.00014	0.000021	0.0000041	0.000035	0.00021	0.00086	0.0024	0.0009	0.00061
6	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00052
6	May	0.00019	3.1	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.000005	0.00004	0.0002	0.00099	0.0017	0.00058	0.00035
6	June	0.00019	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00031
6	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00045
6	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00046
6	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00049
6	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00052
6	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00048
6	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.000069	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00054
7	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00016	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00076
7	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00079
7	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00065
7	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00054
7	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.00004	0.0002	0.00099	0.0017	0.00058	0.00037
7	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00032
7	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00046
7	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00047
7	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00051
7	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000084	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00053
7	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00049
7	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00057
8	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00079
8	February	0.00024	4.2	0.044	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00082
8	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000037	0.00021	0.00086	0.0024	0.0009	0.00069
8	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00056
8	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00039
8	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00033
8	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00046
8	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00047
8	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00052
8	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000084	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00055
8	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
8	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.00059

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00024	3.4	0.024	0.0000015	0.00029	0.00087	1.2	0.00017	0.000021	0.0000041	0.000028	0.00029	0.0009	0.0016	0.00088	0.00082
9	February	0.00024	4.2	0.045	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00085
9	March	0.00025	4.2	0.047	0.0000015	0.00029	0.00078	1.3	0.00014	0.000021	0.0000041	0.000038	0.00022	0.00086	0.0024	0.0009	0.00072
9	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00058
9	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
9	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
9	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
9	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
9	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000053	0.0002	0.00082	0.0015	0.0006	0.00052
9	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000085	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
9	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
9	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.0006
10	January	0.00024	3.4	0.024	0.0000015	0.00029	0.00087	1.2	0.00017	0.000021	0.0000041	0.000028	0.00029	0.0009	0.0016	0.00088	0.00082
10	February	0.00024	4.2	0.045	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00086
10	March	0.00025	4.2	0.047	0.0000015	0.00029	0.00078	1.3	0.00014	0.000021	0.0000041	0.000038	0.00022	0.00086	0.0024	0.0009	0.00072
10	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
10	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
10	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
10	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
10	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
10	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000053	0.0002	0.00082	0.0015	0.0006	0.00052
10	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000085	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
10	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000072	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
10	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.0006
11	January	0.00024	3.4	0.024	0.0000015	0.00029	0.00087	1.2	0.00017	0.000021	0.0000041	0.000028	0.00029	0.0009	0.0016	0.00088	0.00082
11	February	0.00024	4.2	0.045	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00086
11	March	0.00025	4.2	0.047	0.0000015	0.00029	0.00078	1.3	0.00014	0.000021	0.0000041	0.000038	0.00022	0.00086	0.0024	0.0009	0.00072
11	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
11	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
11	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
11	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
11	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
11	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000053	0.0002	0.00082	0.0015	0.0006	0.00052
11	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000085	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
11	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
11	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.0006
12	January	0.00024	3.4	0.024	0.0000015	0.00029	0.00087	1.2	0.00017	0.000021	0.0000041	0.000028	0.00029	0.0009	0.0016	0.00088	0.00082
12	February	0.00024	4.2	0.045	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00086
12	March	0.00025	4.2	0.047	0.0000015	0.00029	0.00078	1.3	0.00014	0.000021	0.0000041	0.000038	0.00022	0.00086	0.0024	0.0009	0.00072
12	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
12	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
12	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
12	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
12	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
12	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000053	0.0002	0.00082	0.0015	0.0006	0.00052
12	October	0.00019	3.4	0.023	0.0000015	0.00028	0.00075	1.1	0.000085	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
12	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
12	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.0006
13	January	0.00024	3.4	0.024	0.0000015	0.00029	0.00087	1.2	0.00017	0.000021	0.0000041	0.000028	0.00029	0.0009	0.0016	0.00088	0.00082
13	February	0.00024	4.2	0.045	0.0000015	0.0003	0.00072	1.3	0.00024	0.000021	0.0000041	0.000036	0.00026	0.00085	0.0023	0.00088	0.00086
13	March	0.00025	4.2	0.047	0.0000015	0.00029	0.00078	1.3	0.00014	0.000021	0.0000041	0.000038	0.00022	0.00086	0.0024	0.0009	0.00072
13	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
13	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
13	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
13	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
13	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000053	0.0002	0.00082	0.0015	0.0006	0.00052
13	October	0.00019	3.4	0.023	0.0000015	0.00028	0.00075	1.1	0.000085	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
13	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
13	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000032	0.00024	0.00086	0.0014	0.00082	0.0006
14	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00082
14	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00086
14	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00072
14	April	0.00023	4.1	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
14	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
14	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
14	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
14	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
14	September	0.00017	3.1	0.022	0.0000015	0.00026	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00052
14	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000084	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
14	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
14	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.0006
15	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00082
15	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00086
15	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00072
15	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
15	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.0004
15	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
15	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
15	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
15	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00052
15	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.1	0.000084	0.000014	0.0000059	0.000059	0.00023	0.00086	0.0016	0.00063	0.00056
15	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.0005
15	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.000069	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.0006
16	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
16	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
16	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
16	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00058
16	May	0.00019	3.1	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.00004	0.0002	0.00099	0.0017	0.00058	0.0004
16	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
16	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
16	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
16	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
16	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
16	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
16	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
17	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
17	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
17	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
17	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000036	0.00021	0.00084	0.0023	0.00084	0.00059
17	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
17	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
17	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
17	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
17	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
17	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
17	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
17	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
18	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
18	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
18	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
18	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
18	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
18	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
18	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
18	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
18	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
18	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
18	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
19	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
19	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
19	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
19	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
19	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
19	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
19	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
19	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
19	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
19	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
19	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
19	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
20	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
20	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
20	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
20	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
20	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
20	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
20	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
20	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
20	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
20	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
20	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
20	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
21	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
21	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
21	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
21	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
21	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.00004	0.0002	0.00099	0.0017	0.00058	0.00041
21	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
21	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
21	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
21	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
21	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
21	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
21	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
22	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
22	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
22	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
22	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
22	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.00004	0.0002	0.00099	0.0017	0.00058	0.00041
22	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
22	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
22	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
22	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
22	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
22	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
22	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
23	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
23	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
23	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
23	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
23	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
23	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
23	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
23	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
23	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
23	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
23	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
24	January	0.00024	3.4	0.024	0.0000015	0.00028	0.00087	1.2	0.00017	0.000021	0.0000041	0.000027	0.00029	0.0009	0.0016	0.00088	0.00084
24	February	0.00024	4.2	0.044	0.0000015	0.00029	0.00072	1.3	0.00024	0.000021	0.0000041	0.000035	0.00026	0.00085	0.0023	0.00088	0.00088
24	March	0.00025	4.2	0.047	0.0000015	0.00028	0.00078	1.3	0.00014	0.000021	0.0000041	0.000036	0.00021	0.00086	0.0024	0.0009	0.00074
24	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
24	May	0.00019	3.0	0.021	0.0000018	0.0002	0.0007	1.1	0.00011	0.000012	0.0000051	0.000041	0.0002	0.00099	0.0017	0.00058	0.00041
24	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
24	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
24	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000033	0.00019	0.00094	0.002	0.00083	0.00048
24	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000088	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
24	October	0.00019	3.4	0.023	0.0000014	0.00028	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
24	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000029	0.00024	0.00089	0.0014	0.00091	0.00051
24	December	0.00022	3.2	0.02	0.0000013	0.00026	0.00084	1.2	0.00007	0.00002	0.0000041	0.000031	0.00024	0.00086	0.0014	0.00082	0.00061
25	January	0.00024	3.4	0.024	0.0000015	0.00027	0.00087	1.2	0.00016	0.000021	0.0000041	0.000026	0.00029	0.0009	0.0016	0.00088	0.00084
25	February	0.00024	4.2	0.044	0.0000015	0.00028	0.00072	1.3	0.00023	0.000021	0.0000041	0.000034	0.00026	0.00085	0.0023	0.00088	0.00088
25	March	0.00025	4.2	0.047	0.0000015	0.00027	0.00078	1.3	0.00014	0.000021	0.0000041	0.000035	0.00021	0.00086	0.0024	0.0009	0.00074
25	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
25	May	0.00019	3.0	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.0000051	0.00004	0.0002	0.00099	0.0017	0.00058	0.00041
25	June	0.00019	3.0	0.021	0.0000018	0.00019	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
25	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
25	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00048
25	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000052	0.0002	0.00082	0.0015	0.0006	0.00053
25	October	0.00019	3.4	0.023	0.0000014	0.00027	0.00075	1.0	0.000084	0.000014	0.0000059	0.000058	0.00023	0.00086	0.0016	0.00063	0.00056
25	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00089	0.0014	0.00091	0.00051
25	December	0.00022	3.2	0.02	0.0000013	0.00025	0.00084	1.2	0.000069	0.00002	0.0000041	0.00003	0.00024	0.00086	0.0014	0.00082	0.00061
26	January	0.00024	3.4	0.024	0.0000015	0.00027	0.00087	1.2	0.00016	0.000021	0.0000041	0.000025	0.00028	0.0009	0.0016	0.00088	0.00084
26	February	0.00024	4.2	0.044	0.0000015	0.00028	0.00072	1.3	0.00023	0.000021	0.0000041	0.000032	0.00026	0.00085	0.0023	0.00088	0.00088
26	March	0.00025	4.2	0.047	0.0000015	0.00026	0.00078	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00086	0.0024	0.0009	0.00074
26	April	0.00023	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.00002	0.0000042	0.000035	0.00021	0.00084	0.0023	0.00084	0.00059
26	May	0.00019	3.0	0.021	0.0000018	0.00019	0.0007	1.1	0.00011	0.000012	0.000005	0.00004	0.0002	0.00099	0.0017	0.00058	0.00041
26	June	0.00019	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0016	0.00058	0.00034
26	July	0.00023	3.3	0.047	0.0000017	0.00025	0.00084	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00096	0.0023	0.00092	0.00047
26	August	0.00024	3.5	0.05	0.0000016	0.00026	0.00082	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00094	0.002	0.00083	0.00048
26	September	0.00017	3.1	0.022	0.0000015	0.00025	0.00075	0.98	0.000087	0.000013	0.0000055	0.000051	0.00019	0.00082	0.0015	0.0006	0.00053
26	October	0.00019	3.4	0.023	0.0000014	0.00027	0.00075	1.0	0.000084	0.000014	0.0000059	0.000057	0.00022	0.00086	0.0016	0.00063	0.00056
26	November	0.00022	3.2	0.02	0.0000015	0.00025	0.00088	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00089	0.0014	0.00091	0.00051
26	December	0.00022	3.2	0.02	0.0000013	0.00025	0.00084	1.1	0.000069	0.00002	0.0000041	0.000029	0.00024	0.00086	0.0014	0.00082	0.00061
27	January	0.00019	3.4	0.024	0.0000015	0.00027	0.00084	1.2	0.00016	0.000021	0.000004	0.000024	0.00029	0.00089	0.0013	0.00086	0.00084
27	February	0.00018	4.2	0.044	0.0000015	0.00028	0.00069	1.3	0.00023	0.000021	0.000004	0.000032	0.00026	0.00083	0.002	0.00086	0.00088
27	March	0.00018	4.2	0.047	0.0000015	0.00026	0.00075	1.3	0.00014	0.000021	0.000004	0.000033	0.00021	0.00084	0.002	0.00087	0.00074
27	April	0.00018	4.1	0.047	0.0000014	0.00026	0.00073	1.2	0.00014	0.00002	0.0000041	0.000034	0.00021	0.00083	0.0021	0.00082	0.0006
27	May	0.00017	3.0	0.021	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.00041
27	June	0.00017	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0015	0.00058	0.00034
27	July	0.00022	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00047
27	August	0.00021	3.5	0.05	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000038	0.000032	0.00019	0.00093	0.0019	0.00082	0.00048

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00014	3.1	0.022	0.0000015	0.00025	0.00074	0.98	0.000087	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0014	0.00059	0.00052
27	October	0.00015	3.4	0.023	0.0000014	0.00027	0.00073	1.0	0.000084	0.000014	0.0000058	0.000057	0.00023	0.00085	0.0014	0.00061	0.00056
27	November	0.00017	3.2	0.02	0.0000015	0.00025	0.00086	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.0005
27	December	0.00017	3.2	0.02	0.0000013	0.00025	0.00082	1.2	0.000069	0.00002	0.000004	0.000028	0.00024	0.00084	0.0012	0.0008	0.00061
28	January	0.00018	3.4	0.024	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.000004	0.000024	0.00029	0.00089	0.0013	0.00086	0.00084
28	February	0.00017	4.2	0.044	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.000004	0.000032	0.00026	0.00083	0.002	0.00086	0.00087
28	March	0.00018	4.2	0.047	0.0000015	0.00027	0.00075	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.002	0.00087	0.00074
28	April	0.00017	4.1	0.047	0.0000014	0.00026	0.00073	1.3	0.00014	0.00002	0.0000041	0.000034	0.00021	0.00083	0.0021	0.00082	0.00059
28	May	0.00017	3.1	0.021	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.0004
28	June	0.00017	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000038	0.0002	0.00099	0.0015	0.00057	0.00034
28	July	0.00022	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00046
28	August	0.00021	3.5	0.05	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000038	0.000032	0.00019	0.00093	0.0019	0.00082	0.00047
28	September	0.00014	3.1	0.022	0.0000015	0.00025	0.00074	0.98	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0014	0.00059	0.00052
28	October	0.00014	3.4	0.023	0.0000014	0.00027	0.00073	1.0	0.000084	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0014	0.00061	0.00055
28	November	0.00017	3.3	0.02	0.0000015	0.00025	0.00086	1.1	0.000071	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.0005
28	December	0.00017	3.2	0.02	0.0000013	0.00025	0.00082	1.2	0.000069	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0012	0.0008	0.0006
29	January	0.00018	3.5	0.024	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.000004	0.000024	0.00029	0.00089	0.0013	0.00086	0.00083
29	February	0.00017	4.3	0.044	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00026	0.00083	0.002	0.00086	0.00086
29	March	0.00017	4.2	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.002	0.00087	0.00073
29	April	0.00017	4.1	0.047	0.0000015	0.00026	0.00074	1.3	0.00014	0.00002	0.0000041	0.000034	0.00021	0.00083	0.0021	0.00082	0.00058
29	May	0.00017	3.1	0.021	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.0004
29	June	0.00017	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0015	0.00057	0.00033
29	July	0.00021	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00046
29	August	0.00021	3.5	0.05	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000038	0.000032	0.00019	0.00093	0.0019	0.00082	0.00047
29	September	0.00014	3.1	0.022	0.0000015	0.00025	0.00074	0.99	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0014	0.00059	0.00052
29	October	0.00014	3.4	0.023	0.0000015	0.00027	0.00073	1.1	0.000084	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0014	0.00061	0.00055
29	November	0.00017	3.3	0.02	0.0000015	0.00025	0.00086	1.1	0.000072	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.0005
29	December	0.00016	3.2	0.02	0.0000013	0.00025	0.00082	1.2	0.00007	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0012	0.0008	0.00059
30	January	0.00018	3.5	0.024	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.0000041	0.000025	0.00029	0.00089	0.0013	0.00086	0.00082
30	February	0.00017	4.3	0.044	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000033	0.00026	0.00083	0.002	0.00086	0.00086
30	March	0.00017	4.2	0.047	0.0000015	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000034	0.00021	0.00084	0.002	0.00087	0.00072
30	April	0.00017	4.1	0.047	0.0000015	0.00026	0.00074	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00083	0.002	0.00082	0.00058
30	May	0.00016	3.1	0.021	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.00039
30	June	0.00017	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0015	0.00057	0.00032
30	July	0.00021	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00045
30	August	0.00021	3.5	0.05	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00093	0.0019	0.00082	0.00047
30	September	0.00013	3.1	0.022	0.0000015	0.00025	0.00074	0.99	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0014	0.00059	0.00051
30	October	0.00014	3.4	0.023	0.0000015	0.00027	0.00073	1.1	0.000085	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0014	0.00061	0.00054
30	November	0.00017	3.3	0.02	0.0000015	0.00025	0.00086	1.2	0.000072	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.00049
30	December	0.00016	3.3	0.02	0.0000013	0.00025	0.00082	1.2	0.00007	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0011	0.0008	0.00059
31	January	0.00018	3.5	0.026	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.0000041	0.000025	0.00029	0.00089	0.0013	0.00086	0.0008
31	February	0.00017	4.3	0.046	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000033	0.00026	0.00083	0.002	0.00086	0.00083
31	March	0.00017	4.2	0.049	0.0000015	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.002	0.00087	0.00069
31	April	0.00017	4.1	0.047	0.0000015	0.00026	0.00074	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00083	0.002	0.00082	0.00057
31	May	0.00016	3.1	0.021	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.00038
31	June	0.00017	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0015	0.00057	0.00032
31	July	0.00021	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00045
31	August	0.00021	3.5	0.051	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00093	0.0019	0.00082	0.00046
31	September	0.00013	3.1	0.023	0.0000015	0.00025	0.00074	0.99	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0014	0.00059	0.0005
31	October	0.00014	3.4	0.024	0.0000015	0.00027	0.00073	1.1	0.000085	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0014	0.00061	0.00053
31	November	0.00017	3.3	0.021	0.0000015	0.00025	0.00086	1.2	0.000072	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.00048
31	December	0.00016	3.2	0.021	0.0000013	0.00025	0.00082	1.2	0.00007	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0011	0.0008	0.00057
32	January	0.00018	3.5	0.026	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.0000041	0.000025	0.00029	0.00089	0.0013	0.00086	0.0008
32	February	0.00017	4.3	0.046	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000033	0.00026	0.00083	0.002	0.00086	0.00083
32	March	0.00017	4.2	0.049	0.0000015	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.002	0.00087	0.00069
32	April	0.00017	4.1	0.048	0.0000015	0.00026	0.00074	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00083	0.002	0.00082	0.00056

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00016	3.1	0.022	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0016	0.00057	0.00038
32	June	0.00016	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0015	0.00057	0.00032
32	July	0.00021	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00045
32	August	0.00021	3.5	0.051	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000038	0.000032	0.00019	0.00093	0.0019	0.00082	0.00046
32	September	0.00013	3.1	0.023	0.0000015	0.00025	0.00074	0.99	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0013	0.00059	0.0005
32	October	0.00014	3.4	0.024	0.0000015	0.00027	0.00073	1.1	0.000085	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0013	0.00061	0.00053
32	November	0.00017	3.3	0.021	0.0000015	0.00025	0.00086	1.2	0.000072	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.00048
32	December	0.00016	3.2	0.021	0.0000013	0.00025	0.00082	1.2	0.00007	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0011	0.0008	0.00057
33	January	0.00018	3.5	0.026	0.0000015	0.00027	0.00085	1.2	0.00016	0.000021	0.0000041	0.000025	0.00029	0.00089	0.0013	0.00086	0.0008
33	February	0.00017	4.3	0.046	0.0000015	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000033	0.00026	0.00083	0.002	0.00086	0.00083
33	March	0.00017	4.2	0.049	0.0000015	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.002	0.00087	0.00069
33	April	0.00017	4.1	0.048	0.0000015	0.00026	0.00074	1.3	0.00014	0.00002	0.0000042	0.000034	0.00021	0.00082	0.002	0.00082	0.00056
33	May	0.00016	3.1	0.022	0.0000018	0.00019	0.00069	1.1	0.00011	0.000012	0.000005	0.000039	0.0002	0.00098	0.0015	0.00057	0.00038
33	June	0.00016	3.0	0.021	0.0000018	0.00018	0.00069	1.0	0.0001	0.000012	0.000005	0.000037	0.0002	0.00099	0.0015	0.00057	0.00032
33	July	0.00021	3.3	0.047	0.0000017	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00017	0.00095	0.0022	0.00091	0.00045
33	August	0.00021	3.5	0.051	0.0000016	0.00026	0.00081	1.1	0.00011	0.00002	0.0000038	0.000032	0.00019	0.00093	0.0019	0.00082	0.00046
33	September	0.00013	3.1	0.023	0.0000015	0.00025	0.00074	0.99	0.000088	0.000013	0.0000055	0.000051	0.0002	0.00081	0.0013	0.00058	0.0005
33	October	0.00014	3.4	0.024	0.0000015	0.00027	0.00073	1.1	0.000085	0.000014	0.0000059	0.000057	0.00023	0.00085	0.0013	0.00061	0.00053
33	November	0.00017	3.3	0.021	0.0000015	0.00025	0.00086	1.2	0.000072	0.000023	0.0000047	0.000028	0.00024	0.00088	0.0012	0.00089	0.00048
33	December	0.00016	3.2	0.021	0.0000013	0.00025	0.00082	1.2	0.00007	0.00002	0.0000041	0.000029	0.00024	0.00084	0.0011	0.0008	0.00057
34	January	0.00017	3.3	0.028	0.000002	0.00047	0.00082	1.4	0.00019	0.000022	0.0000044	0.000053	0.00035	0.0011	0.0014	0.00088	0.00097
34	February	0.00017	4.2	0.045	0.0000017	0.00034	0.00072	1.4	0.00025	0.000022	0.0000043	0.000044	0.00029	0.00089	0.0021	0.00089	0.00064
34	March	0.00017	4.2	0.048	0.0000017	0.00032	0.00077	1.4	0.00016	0.000022	0.0000043	0.000045	0.00024	0.00089	0.0021	0.00091	0.00048
34	April	0.00016	4.0	0.045	0.0000018	0.0004	0.00072	1.4	0.00016	0.000021	0.0000044	0.000053	0.00026	0.00095	0.0021	0.00084	0.00043
34	May	0.00016	3.0	0.021	0.000002	0.00028	0.00069	1.1	0.00012	0.000013	0.0000051	0.00005	0.00024	0.0011	0.0016	0.00059	0.00028
34	June	0.00016	3.0	0.021	0.000002	0.00025	0.00068	1.1	0.00011	0.000013	0.0000051	0.000046	0.00023	0.001	0.0016	0.00059	0.00027
34	July	0.00021	3.3	0.047	0.0000019	0.00029	0.00082	1.1	0.00012	0.000023	0.0000048	0.000029	0.00019	0.00099	0.0022	0.00092	0.00041
34	August	0.0002	3.4	0.05	0.0000018	0.00033	0.0008	1.2	0.00012	0.000021	0.000004	0.000043	0.00022	0.00099	0.0019	0.00084	0.00041
34	September	0.00013	3.0	0.022	0.0000018	0.00035	0.00073	1.1	0.00011	0.000014	0.0000057	0.000065	0.00024	0.0009	0.0014	0.00062	0.00042
34	October	0.00014	3.3	0.023	0.0000017	0.00037	0.00073	1.2	0.0001	0.000015	0.000006	0.00007	0.00027	0.00094	0.0014	0.00065	0.00041
34	November	0.00017	3.2	0.02	0.0000016	0.00026	0.00086	1.2	0.000076	0.000023	0.0000047	0.00003	0.00025	0.0009	0.0012	0.0009	0.00038
34	December	0.00016	3.2	0.02	0.0000015	0.00028	0.00083	1.3	0.000081	0.000021	0.0000042	0.000037	0.00026	0.00088	0.0012	0.00083	0.00041
35	January	0.00018	3.4	0.025	0.0000017	0.00031	0.00086	1.3	0.00018	0.000022	0.0000042	0.000033	0.00031	0.00093	0.0013	0.00089	0.00061
35	February	0.00017	4.2	0.045	0.0000017	0.00032	0.00071	1.4	0.00025	0.000022	0.0000042	0.000043	0.00028	0.00088	0.002	0.00089	0.00062
35	March	0.00017	4.2	0.048	0.0000017	0.00032	0.00077	1.4	0.00016	0.000022	0.0000043	0.000045	0.00024	0.00089	0.0021	0.00091	0.00046
35	April	0.00016	4.0	0.046	0.0000019	0.0004	0.00073	1.4	0.00016	0.000021	0.0000044	0.000055	0.00027	0.00096	0.0021	0.00085	0.00043
35	May	0.00016	3.0	0.021	0.000002	0.00028	0.00068	1.1	0.00012	0.000013	0.0000051	0.00005	0.00024	0.0011	0.0016	0.00059	0.00027
35	June	0.00016	3.0	0.022	0.0000021	0.00028	0.00073	1.1	0.00013	0.000014	0.0000053	0.000055	0.00024	0.0011	0.0018	0.00063	0.00027
35	July	0.00021	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
35	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
35	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
35	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
35	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
35	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
36	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
36	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
36	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
36	April	0.00016	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
36	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
36	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
36	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
36	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
36	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
36	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
36	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
36	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
37	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
37	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
37	April	0.00016	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
37	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
37	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
37	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
37	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
37	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
37	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
37	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
37	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
38	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
38	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
38	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
38	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
38	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
38	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
38	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
38	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
38	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
38	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
38	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
38	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
39	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
39	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
39	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
39	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
39	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
39	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
39	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
39	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
39	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
39	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
39	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
39	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
40	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
40	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
40	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
40	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
40	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
40	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
40	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
40	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
40	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
40	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
40	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
40	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
41	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
41	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
41	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
41	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
41	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
41	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
41	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
41	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
41	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
41	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
41	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
42	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
42	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
42	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
42	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
42	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
42	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
42	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
42	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
42	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
42	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
42	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
42	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
43	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
43	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
43	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
43	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
43	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
43	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
43	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
43	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
43	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
43	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
43	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
43	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
44	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
44	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
44	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
44	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
44	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
44	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
44	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
44	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
44	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
44	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
44	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
44	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
45	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
45	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
45	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
45	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
45	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
45	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
45	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
45	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
45	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
45	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
45	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
45	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
46	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
46	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
46	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
46	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
46	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
46	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
46	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
46	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
46	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
46	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
46	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
47	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
47	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
47	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
47	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
47	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
47	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
47	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
47	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
47	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
47	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
47	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
47	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
48	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
48	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
48	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
48	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
48	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
48	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
48	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
48	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
48	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
48	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
48	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
48	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
49	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
49	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
49	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
49	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
49	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
49	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
49	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
49	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
49	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
49	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
49	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
49	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
50	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
50	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
50	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
50	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
50	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
50	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
50	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
50	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
50	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
50	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
50	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
50	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
51	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
51	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
51	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
51	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
51	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
51	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
51	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
51	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
51	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
51	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
51	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
52	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
52	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
52	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
52	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
52	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
52	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
52	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
52	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
52	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
52	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
52	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
52	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
53	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
53	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
53	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
53	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
53	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
53	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
53	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
53	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
53	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
53	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
53	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
53	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
54	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
54	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
54	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
54	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
54	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
54	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
54	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
54	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
54	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
54	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
54	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
54	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
55	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
55	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
55	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
55	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
55	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
55	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
55	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
55	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
55	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
55	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
55	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
56	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
56	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
56	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
56	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
56	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
56	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
56	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
56	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
56	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
56	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
56	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
56	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
57	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
57	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
57	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
57	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
57	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
57	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
57	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
57	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
57	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
57	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
57	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
57	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
58	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
58	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
58	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
58	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
58	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
58	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
58	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
58	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
58	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
58	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
58	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
58	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
59	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
59	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
59	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
59	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
59	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
59	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
59	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
59	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
59	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
59	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
59	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
59	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
60	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
60	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
60	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
60	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
60	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
60	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
60	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
60	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
60	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
60	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
60	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
61	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
61	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
61	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
61	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
61	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
61	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
61	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
61	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
61	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
61	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
61	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
61	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
62	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
62	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
62	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
62	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
62	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
62	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
62	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
62	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
62	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
62	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
62	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
62	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
63	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
63	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
63	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
63	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
63	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
63	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
63	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
63	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
63	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
63	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
63	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
63	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
64	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
64	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
64	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
64	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
64	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
64	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
64	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
64	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
64	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
64	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
64	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
64	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
65	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
65	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
65	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
65	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
65	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
65	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
65	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
65	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
65	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
65	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
65	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
66	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
66	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
66	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
66	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
66	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
66	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
66	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
66	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
66	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
66	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
66	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
66	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
67	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
67	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
67	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
67	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
67	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
67	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
67	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
67	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
67	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
67	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
67	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
67	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
68	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
68	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
68	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
68	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
68	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
68	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
68	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
68	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
68	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
68	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
68	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
68	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
69	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
69	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
69	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
69	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
69	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
69	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
69	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
69	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041

Table G-6: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
69	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
69	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
69	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000095	0.000021	0.0000043	0.000044	0.00027	0.00089	0.0014	0.00085	0.00041
70	January	0.00017	3.4	0.026	0.0000018	0.00033	0.00089	1.3	0.00019	0.000022	0.0000043	0.000042	0.00032	0.00094	0.0015	0.00091	0.00061
70	February	0.00017	4.2	0.046	0.0000019	0.00035	0.00075	1.4	0.00026	0.000023	0.0000044	0.000052	0.00029	0.00089	0.0023	0.00092	0.00062
70	March	0.00017	4.2	0.048	0.0000019	0.00034	0.00081	1.4	0.00018	0.000023	0.0000044	0.000055	0.00026	0.00091	0.0023	0.00094	0.00046
70	April	0.00015	3.9	0.048	0.0000026	0.00049	0.00089	1.5	0.00023	0.000024	0.000005	0.000091	0.00032	0.001	0.003	0.00097	0.00044
70	May	0.00015	3.0	0.023	0.0000025	0.00034	0.00079	1.2	0.00016	0.000015	0.0000055	0.000073	0.00027	0.0011	0.0022	0.00068	0.00028
70	June	0.00016	3.0	0.023	0.0000023	0.0003	0.00077	1.2	0.00015	0.000015	0.0000054	0.000064	0.00025	0.0011	0.002	0.00066	0.00028
70	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00087	1.1	0.00014	0.000024	0.0000049	0.000041	0.0002	0.001	0.0025	0.00095	0.00041
70	August	0.0002	3.4	0.05	0.0000022	0.00037	0.00087	1.2	0.00015	0.000022	0.0000043	0.000059	0.00024	0.001	0.0023	0.00089	0.00041
70	September	0.00013	3.0	0.025	0.0000023	0.00042	0.00084	1.2	0.00016	0.000017	0.000006	0.00009	0.00027	0.00093	0.0021	0.00071	0.00042
70	October	0.00013	3.3	0.026	0.0000022	0.00043	0.00084	1.2	0.00015	0.000018	0.0000063	0.000094	0.0003	0.00097	0.0021	0.00074	0.00041
70	November	0.00016	3.2	0.021	0.0000017	0.00028	0.00089	1.2	0.000089	0.000023	0.0000048	0.000037	0.00026	0.0009	0.0013	0.00092	0.00039
70	December	0.00016	3.2	0.021	0.0000016	0.0003	0.00086	1.3	0.000094	0.000021	0.0000043	0.000043	0.00027	0.00089	0.0013	0.00085	0.00041

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.3	0.071	0.076	0.012	0.036	1.0	0.0038	0.16	0.00036	0.0019	0.000022	0.006	0.00002	13	0.00051	0.00016	0.0011	0.49
-6	February	0.72	0.07	0.18	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00016	0.001	0.50
-6	March	1.0	0.051	0.19	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000064	15	0.00069	0.00018	0.0011	0.57
-6	April	1.0	0.05	0.18	0.012	0.028	0.97	0.0035	0.15	0.00032	0.0023	0.000013	0.0057	0.0000062	15	0.00067	0.00018	0.001	0.57
-6	May	0.61	0.035	0.03	0.0059	0.035	0.85	0.0019	0.22	0.0002	0.0019	0.000011	0.0054	0.0000049	10	0.0006	0.00014	0.001	0.51
-6	June	0.57	0.034	0.022	0.0061	0.035	0.85	0.002	0.21	0.00021	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00014	0.001	0.51
-6	July	0.78	0.05	0.029	0.013	0.022	0.97	0.0025	0.21	0.00038	0.003	0.000015	0.0059	0.0000082	11	0.00077	0.0002	0.001	0.60
-6	August	0.73	0.049	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0058	0.000008	11	0.00068	0.00019	0.001	0.58
-6	September	0.69	0.05	0.047	0.0078	0.032	0.91	0.0038	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.0005	0.00015	0.00087	0.46
-6	October	0.74	0.048	0.051	0.0075	0.031	0.91	0.0039	0.17	0.00024	0.0022	0.000012	0.0055	0.000003	13	0.00053	0.00015	0.00084	0.47
-6	November	1.2	0.047	0.062	0.013	0.036	0.94	0.0044	0.18	0.00035	0.0021	0.000021	0.0059	0.000016	12	0.0005	0.00016	0.0011	0.49
-6	December	1.2	0.045	0.063	0.011	0.035	0.96	0.0038	0.14	0.00035	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00015	0.0011	0.47
-5	January	1.3	0.068	0.075	0.013	0.036	1.0	0.0039	0.16	0.00036	0.0019	0.000022	0.006	0.00002	13	0.00051	0.00016	0.0011	0.49
-5	February	0.71	0.069	0.18	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00017	0.001	0.50
-5	March	1.0	0.05	0.19	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000064	15	0.00069	0.00018	0.0011	0.57
-5	April	1.0	0.049	0.18	0.012	0.028	0.97	0.0035	0.15	0.00032	0.0023	0.000013	0.0056	0.0000062	15	0.00067	0.00018	0.001	0.57
-5	May	0.6	0.033	0.03	0.0059	0.035	0.85	0.0019	0.22	0.0002	0.0019	0.000011	0.0054	0.0000049	10	0.00061	0.00015	0.001	0.51
-5	June	0.56	0.034	0.022	0.0061	0.035	0.85	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00014	0.001	0.51
-5	July	0.77	0.05	0.029	0.013	0.022	0.97	0.0025	0.21	0.00038	0.003	0.000015	0.0059	0.0000083	11	0.00077	0.0002	0.001	0.60
-5	August	0.73	0.048	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0057	0.000008	11	0.00068	0.00019	0.001	0.58
-5	September	0.69	0.049	0.047	0.0078	0.032	0.91	0.0038	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.0005	0.00015	0.00087	0.46
-5	October	0.74	0.048	0.051	0.0075	0.031	0.91	0.0039	0.17	0.00024	0.0022	0.000012	0.0055	0.000003	13	0.00053	0.00015	0.00084	0.47
-5	November	1.2	0.046	0.062	0.013	0.036	0.94	0.0044	0.18	0.00035	0.0021	0.000021	0.0059	0.000016	12	0.0005	0.00016	0.0011	0.50
-5	December	1.2	0.045	0.063	0.011	0.035	0.96	0.0038	0.14	0.00035	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00015	0.0011	0.47
-4	January	1.3	0.068	0.075	0.013	0.036	1.0	0.0039	0.16	0.00036	0.0019	0.000022	0.006	0.00002	13	0.00051	0.00016	0.0011	0.50
-4	February	0.7	0.068	0.18	0.012	0.026	1.0	0.0039	0.14	0.00036	0.0022	0.000013	0.0057	0.0000088	15	0.00065	0.00017	0.001	0.50
-4	March	1.0	0.049	0.19	0.013	0.028	0.98	0.0038	0.15	0.00035	0.0023	0.000013	0.0057	0.0000064	15	0.00069	0.00018	0.0011	0.57
-4	April	1.0	0.048	0.18	0.012	0.028	0.97	0.0035	0.15	0.00032	0.0023	0.000013	0.0056	0.0000062	15	0.00067	0.00018	0.001	0.57
-4	May	0.59	0.033	0.03	0.0059	0.035	0.85	0.0019	0.22	0.0002	0.0019	0.000011	0.0054	0.0000049	10	0.00061	0.00015	0.001	0.52
-4	June	0.55	0.033	0.022	0.0061	0.035	0.85	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00014	0.001	0.51
-4	July	0.77	0.049	0.029	0.013	0.022	0.97	0.0025	0.21	0.00038	0.003	0.000015	0.0059	0.0000083	11	0.00077	0.0002	0.001	0.61
-4	August	0.72	0.048	0.027	0.011	0.024	1.0	0.004	0.17	0.00034	0.0032	0.000013	0.0057	0.000008	11	0.00068	0.00019	0.001	0.58
-4	September	0.68	0.049	0.047	0.0078	0.032	0.91	0.0038	0.14	0.00021	0.0023	0.000012	0.0057	0.0000034	11	0.0005	0.00015	0.00087	0.46
-4	October	0.74	0.048	0.051	0.0075	0.031	0.91	0.0039	0.17	0.00024	0.0022	0.000012	0.0055	0.000003	13	0.00053	0.00015	0.00084	0.47
-4	November	1.2	0.046	0.062	0.013	0.036	0.94	0.0044	0.18	0.00035	0.0021	0.000021	0.0059	0.000016	12	0.0005	0.00016	0.0011	0.50
-4	December	1.2	0.045	0.063	0.011	0.035	0.96	0.0038	0.14	0.00035	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00015	0.0011	0.47
-3	January	1.3	0.068	0.075	0.013	0.036	1.0	0.0039	0.18	0.00036	0.002	0.000022	0.006	0.000022	13	0.00052	0.00016	0.0012	0.51
-3	February	0.7	0.068	0.18	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0024	0.000013	0.0057	0.000011	15	0.00067	0.00017	0.0011	0.52
-3	March	1.0	0.049	0.19	0.013	0.028	0.98	0.0038	0.17	0.00035	0.0025	0.000014	0.0057	0.0000093	15	0.00071	0.00019	0.0011	0.59
-3	April	1.0	0.048	0.18	0.012	0.028	0.97	0.0035	0.17	0.00032	0.0024	0.000014	0.0056	0.0000086	15	0.00069	0.00019	0.0011	0.59
-3	May	0.59	0.033	0.03	0.0059	0.035	0.85	0.0019	0.23	0.0002	0.002	0.000011	0.0054	0.000006	10	0.00062	0.00015	0.001	0.52
-3	June	0.55	0.033	0.022	0.0061	0.035	0.85	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000056	9.9	0.00061	0.00015	0.001	0.52
-3	July	0.77	0.049	0.029	0.013	0.022	0.97	0.0025	0.22	0.00038	0.0031	0.000015	0.0059	0.0000092	11	0.00078	0.00021	0.001	0.61
-3	August	0.72	0.048	0.027	0.011	0.024	1	0.004	0.18	0.00034	0.0033	0.000013	0.0057	0.0000093	11	0.00069	0.00019	0.001	0.59
-3	September	0.68	0.049	0.047	0.0078	0.032	0.91	0.0038	0.16	0.00021	0.0024	0.000012	0.0057	0.0000051	11	0.00051	0.00015	0.00091	0.47
-3	October	0.74	0.048	0.051	0.0075	0.031	0.91	0.0039	0.18	0.00024	0.0024	0.000012	0.0055	0.0000049	13	0.00055	0.00016	0.00088	0.48
-3	November	1.2	0.046	0.062	0.013	0.036	0.94	0.0044	0.2	0.00035	0.0022	0.000022	0.0059	0.000018	12	0.00051	0.00016	0.0012	0.51
-3	December	1.2	0.045	0.063	0.011	0.035	0.96	0.0038	0.16	0.00035	0.002	0.000021	0.006	0.000019	12	0.00048	0.00016	0.0011	0.48
-2	January	1.3	0.068	0.075	0.013	0.036	1.0	0.0039	0.18	0.00036	0.002	0.000023	0.006	0.000023	13	0.00053	0.00017	0.0012	0.51
-2	February	0.7	0.068	0.18	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0024	0.000014	0.0057	0.000012	15	0.00067	0.00017	0.0011	0.52
-2	March	1.0	0.049	0.19	0.013	0.028	0.98	0.0038	0.18	0.00036	0.0025	0.000014	0.0057	0.00001	15	0.00072	0.00019	0.0011	0.60
-2	April	1.0	0.048	0.18	0.012	0.028	0.97	0.0035	0.17	0.00032	0.0025	0.000014	0.0056	0.0000094	15	0.00069	0.00019	0.0011	0.59
-2	May	0.59	0.033	0.03	0.0059	0.035	0.85	0.0019	0.23	0.0002	0.002	0.000011	0.0054	0.0000067	10	0.00062	0.00015	0.0011	0.53
-2	June	0.56	0.033	0.022	0.0061	0.035	0.85	0.002	0.23	0.00021	0.002	0.000011	0.0055	0.0000061	9.9	0.00061	0.00015	0.001	0.52
-2	July	0.77	0.049	0.029	0.013	0.022	0.97	0.0025	0.22	0.00038	0.0031	0.000015	0.0059	0.0000096	11	0.00078	0.00021	0.001	0.61
-2	August	0.72	0.048	0.027	0.011	0.024	1.0	0.004	0.18	0.00034	0.0033	0.000014	0.0057	0.0000096	11	0.00069	0.0002	0.001	0.59

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.69	0.049	0.047	0.0079	0.032	0.91	0.0038	0.16	0.00021	0.0024	0.000012	0.0057	0.0000054	11	0.00051	0.00016	0.00092	0.47
-2	October	0.73	0.048	0.051	0.0075	0.031	0.91	0.0039	0.19	0.00024	0.0024	0.000012	0.0055	0.0000052	13	0.00055	0.00016	0.00089	0.49
-2	November	1.2	0.046	0.062	0.013	0.036	0.94	0.0044	0.2	0.00035	0.0022	0.000022	0.0059	0.000019	12	0.00052	0.00016	0.0012	0.51
-2	December	1.2	0.045	0.063	0.011	0.035	0.96	0.0038	0.16	0.00035	0.0021	0.000021	0.006	0.000019	12	0.00048	0.00016	0.0011	0.48
-1	January	1.3	0.068	0.075	0.013	0.036	1.0	0.0039	0.18	0.00036	0.0021	0.000023	0.006	0.000023	13	0.00053	0.00017	0.0012	0.51
-1	February	0.7	0.069	0.18	0.012	0.026	1.0	0.0039	0.16	0.00036	0.0024	0.000014	0.0057	0.000012	15	0.00067	0.00017	0.0011	0.52
-1	March	1.0	0.049	0.19	0.013	0.028	0.98	0.0038	0.18	0.00036	0.0025	0.000014	0.0057	0.00001	15	0.00072	0.00019	0.0011	0.60
-1	April	1.0	0.048	0.18	0.012	0.028	0.97	0.0036	0.17	0.00033	0.0025	0.000014	0.0057	0.0000096	15	0.00069	0.00019	0.0011	0.58
-1	May	0.58	0.033	0.026	0.006	0.035	0.85	0.0019	0.23	0.0002	0.002	0.000011	0.0054	0.0000068	10	0.00061	0.00015	0.001	0.52
-1	June	0.55	0.033	0.021	0.0061	0.035	0.85	0.002	0.22	0.00021	0.002	0.000011	0.0055	0.0000062	9.9	0.00061	0.00015	0.001	0.52
-1	July	0.79	0.05	0.028	0.014	0.022	0.97	0.0025	0.22	0.00038	0.0031	0.000015	0.0058	0.0000098	11	0.00078	0.00021	0.001	0.61
-1	August	0.73	0.049	0.027	0.011	0.024	1.0	0.004	0.18	0.00034	0.0033	0.000013	0.0057	0.0000098	11	0.00069	0.00019	0.001	0.59
-1	September	0.68	0.049	0.047	0.0078	0.031	0.9	0.0039	0.16	0.00021	0.0024	0.000012	0.0057	0.0000056	11	0.00051	0.00015	0.00091	0.47
-1	October	0.73	0.048	0.052	0.0075	0.031	0.92	0.004	0.19	0.00025	0.0024	0.000012	0.0055	0.0000053	12	0.00054	0.00016	0.00088	0.48
-1	November	1.2	0.047	0.062	0.013	0.036	0.96	0.0044	0.2	0.00035	0.0022	0.000022	0.0059	0.000019	12	0.00051	0.00016	0.0012	0.51
-1	December	1.2	0.045	0.063	0.011	0.035	0.98	0.0038	0.16	0.00035	0.0021	0.000021	0.006	0.00002	12	0.00048	0.00016	0.0011	0.48
1	January	1.3	0.069	0.075	0.013	0.036	1.1	0.0038	0.18	0.00036	0.002	0.000023	0.006	0.000023	13	0.00053	0.00017	0.0012	0.51
1	February	0.72	0.071	0.18	0.013	0.026	1.1	0.0039	0.16	0.00036	0.0024	0.000014	0.0057	0.000012	15	0.00067	0.00018	0.0011	0.52
1	March	1.0	0.05	0.19	0.013	0.028	1.0	0.0038	0.17	0.00036	0.0025	0.000014	0.0057	0.0000097	15	0.00071	0.00019	0.0011	0.59
1	April	1.0	0.051	0.18	0.012	0.028	1.1	0.0036	0.17	0.00034	0.0025	0.000014	0.0057	0.0000091	15	0.00069	0.00019	0.0011	0.58
1	May	0.58	0.035	0.025	0.0061	0.035	0.91	0.0019	0.23	0.0002	0.002	0.000011	0.0054	0.0000065	10	0.00061	0.00015	0.001	0.52
1	June	0.56	0.035	0.021	0.0062	0.035	0.89	0.002	0.22	0.00021	0.002	0.000011	0.0055	0.0000059	9.9	0.00061	0.00015	0.001	0.52
1	July	0.79	0.051	0.028	0.014	0.022	1.0	0.0026	0.22	0.00038	0.0031	0.000015	0.0058	0.0000095	11	0.00078	0.00021	0.001	0.61
1	August	0.74	0.05	0.027	0.011	0.024	1.1	0.004	0.18	0.00034	0.0033	0.000013	0.0057	0.0000094	11	0.00069	0.00019	0.001	0.58
1	September	0.69	0.051	0.047	0.008	0.031	1	0.0039	0.15	0.00021	0.0024	0.000012	0.0057	0.0000051	11	0.0005	0.00015	0.0009	0.46
1	October	0.74	0.051	0.052	0.0077	0.031	1.0	0.004	0.18	0.00025	0.0023	0.000012	0.0055	0.0000048	12	0.00054	0.00016	0.00087	0.48
1	November	1.2	0.049	0.063	0.013	0.036	1.0	0.0044	0.2	0.00035	0.0022	0.000022	0.0059	0.000018	12	0.00051	0.00016	0.0012	0.50
1	December	1.2	0.047	0.063	0.012	0.035	1.0	0.0038	0.16	0.00035	0.002	0.000021	0.006	0.000019	12	0.00047	0.00016	0.0011	0.48
2	January	1.3	0.074	0.076	0.013	0.036	1.3	0.0039	0.18	0.00037	0.002	0.000022	0.006	0.000022	13	0.00052	0.00017	0.0012	0.51
2	February	0.73	0.075	0.18	0.013	0.026	1.3	0.0039	0.16	0.00037	0.0024	0.000014	0.0057	0.000011	15	0.00067	0.00018	0.0011	0.52
2	March	1.0	0.052	0.19	0.013	0.028	1.1	0.0038	0.17	0.00036	0.0025	0.000014	0.0057	0.0000094	15	0.00071	0.00019	0.0011	0.59
2	April	1.0	0.055	0.18	0.012	0.028	1.2	0.0036	0.16	0.00034	0.0024	0.000013	0.0057	0.0000088	15	0.00069	0.00019	0.0011	0.58
2	May	0.59	0.038	0.025	0.0063	0.035	1	0.0019	0.22	0.00021	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00015	0.001	0.51
2	June	0.57	0.036	0.021	0.0063	0.035	0.96	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
2	July	0.79	0.052	0.029	0.014	0.022	1.1	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
2	August	0.74	0.051	0.027	0.011	0.024	1.2	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
2	September	0.69	0.053	0.047	0.0081	0.031	1.1	0.0039	0.15	0.00021	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00016	0.00089	0.46
2	October	0.74	0.053	0.052	0.0079	0.031	1.2	0.004	0.18	0.00025	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00016	0.00087	0.47
2	November	1.2	0.051	0.063	0.013	0.036	1.2	0.0044	0.2	0.00036	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
2	December	1.2	0.047	0.063	0.012	0.035	1.1	0.0038	0.16	0.00035	0.002	0.00002	0.006	0.000019	12	0.00047	0.00016	0.0011	0.48
3	January	1.3	0.077	0.076	0.013	0.036	1.4	0.0039	0.18	0.00037	0.002	0.000022	0.006	0.000022	13	0.00052	0.00018	0.0012	0.51
3	February	0.74	0.079	0.18	0.013	0.026	1.5	0.0039	0.16	0.00037	0.0024	0.000014	0.0057	0.000011	15	0.00067	0.00019	0.0011	0.52
3	March	1.0	0.053	0.19	0.013	0.028	1.1	0.0038	0.17	0.00036	0.0025	0.000014	0.0057	0.0000093	15	0.00071	0.00019	0.0011	0.59
3	April	1.0	0.059	0.18	0.013	0.028	1.5	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
3	May	0.59	0.04	0.026	0.0065	0.035	1.2	0.0019	0.22	0.00021	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
3	June	0.57	0.038	0.021	0.0064	0.035	1.0	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
3	July	0.8	0.053	0.029	0.014	0.022	1.1	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
3	August	0.74	0.053	0.027	0.012	0.024	1.2	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
3	September	0.69	0.055	0.048	0.0083	0.032	1.2	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00016	0.00089	0.46
3	October	0.74	0.056	0.053	0.0081	0.031	1.3	0.004	0.18	0.00026	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
3	November	1.2	0.053	0.063	0.013	0.036	1.3	0.0044	0.2	0.00036	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
3	December	1.2	0.048	0.063	0.012	0.035	1.1	0.0038	0.16	0.00035	0.002	0.00002	0.006	0.000019	12	0.00047	0.00016	0.0011	0.48
4	January	1.3	0.08	0.077	0.013	0.036	1.6	0.0039	0.18	0.00037	0.002	0.000022	0.006	0.000022	13	0.00052	0.00018	0.0012	0.51
4	February	0.74	0.082	0.18	0.014	0.026	1.7	0.0039	0.16	0.00038	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
4	March	1.1	0.065	0.19	0.014	0.028	1.7	0.0039	0.17	0.00038	0.0025	0.000014	0.0057	0.0000093	15	0.00071	0.00021	0.0011	0.59
4	April	1.0	0.06	0.18	0.013	0.028	1.5	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.59	0.042	0.026	0.0067	0.035	1.3	0.0019	0.22	0.00021	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
4	June	0.57	0.039	0.021	0.0065	0.035	1.1	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
4	July	0.8	0.054	0.029	0.014	0.022	1.1	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
4	August	0.75	0.054	0.027	0.012	0.024	1.3	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
4	September	0.7	0.057	0.048	0.0084	0.032	1.3	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00016	0.00089	0.46
4	October	0.75	0.058	0.053	0.0082	0.031	1.4	0.004	0.18	0.00026	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
4	November	1.2	0.055	0.063	0.014	0.036	1.3	0.0045	0.2	0.00036	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
4	December	1.3	0.058	0.064	0.012	0.035	1.6	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00017	0.0011	0.47
5	January	1.3	0.084	0.077	0.014	0.036	1.7	0.0039	0.18	0.00038	0.002	0.000022	0.006	0.000022	13	0.00052	0.00018	0.0012	0.51
5	February	0.74	0.086	0.18	0.014	0.026	1.8	0.0039	0.16	0.00038	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
5	March	1.1	0.069	0.19	0.014	0.028	1.9	0.0039	0.17	0.00038	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00021	0.0011	0.59
5	April	1.0	0.061	0.18	0.013	0.028	1.5	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
5	May	0.59	0.043	0.026	0.0067	0.035	1.3	0.0019	0.22	0.00021	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
5	June	0.57	0.039	0.021	0.0066	0.035	1.1	0.002	0.22	0.00021	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
5	July	0.8	0.055	0.029	0.014	0.022	1.2	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
5	August	0.75	0.055	0.028	0.012	0.024	1.3	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
5	September	0.7	0.058	0.048	0.0085	0.032	1.3	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00016	0.00089	0.46
5	October	0.75	0.06	0.053	0.0084	0.031	1.5	0.004	0.18	0.00026	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
5	November	1.2	0.056	0.064	0.014	0.036	1.4	0.0045	0.2	0.00036	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
5	December	1.3	0.061	0.065	0.013	0.036	1.7	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
6	January	1.3	0.087	0.078	0.014	0.036	1.9	0.0039	0.18	0.00038	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
6	February	0.75	0.09	0.18	0.014	0.026	2.0	0.0039	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
6	March	1.1	0.073	0.19	0.015	0.028	2.0	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00021	0.0011	0.59
6	April	1	0.063	0.18	0.013	0.028	1.6	0.0036	0.16	0.00035	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
6	May	0.6	0.045	0.026	0.0069	0.035	1.4	0.0019	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
6	June	0.57	0.041	0.022	0.0066	0.036	1.1	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
6	July	0.8	0.055	0.029	0.014	0.022	1.2	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
6	August	0.75	0.056	0.028	0.012	0.024	1.3	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
6	September	0.7	0.06	0.048	0.0087	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00016	0.00089	0.46
6	October	0.75	0.062	0.054	0.0086	0.031	1.6	0.004	0.18	0.00026	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00017	0.00087	0.47
6	November	1.2	0.057	0.064	0.014	0.036	1.4	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
6	December	1.3	0.064	0.065	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
7	January	1.3	0.09	0.078	0.014	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
7	February	0.75	0.093	0.18	0.014	0.027	2.1	0.0039	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
7	March	1.1	0.076	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
7	April	1.0	0.066	0.18	0.013	0.028	1.7	0.0036	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
7	May	0.6	0.047	0.026	0.007	0.035	1.4	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
7	June	0.57	0.042	0.022	0.0067	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
7	July	0.8	0.056	0.029	0.014	0.022	1.2	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
7	August	0.75	0.057	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
7	September	0.7	0.061	0.048	0.0088	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00017	0.00089	0.46
7	October	0.75	0.064	0.054	0.0087	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
7	November	1.2	0.059	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
7	December	1.3	0.067	0.066	0.013	0.036	1.9	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
8	January	1.3	0.093	0.078	0.014	0.036	2.1	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
8	February	0.75	0.097	0.18	0.015	0.027	2.2	0.0039	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
8	March	1.1	0.08	0.19	0.015	0.029	2.3	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
8	April	1.0	0.068	0.18	0.013	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
8	May	0.6	0.048	0.027	0.0072	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
8	June	0.57	0.043	0.022	0.0068	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
8	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
8	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
8	September	0.7	0.063	0.048	0.0089	0.032	1.5	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00017	0.00089	0.46
8	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
8	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
8	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	1.3	0.096	0.079	0.015	0.036	2.2	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.0002	0.0012	0.51
9	February	0.76	0.1	0.18	0.015	0.027	2.3	0.0039	0.16	0.0004	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
9	March	1.1	0.084	0.19	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00023	0.0011	0.59
9	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
9	May	0.6	0.05	0.027	0.0073	0.035	1.6	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00017	0.001	0.51
9	June	0.57	0.043	0.022	0.0069	0.036	1.3	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
9	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
9	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00036	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
9	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00023	0.0024	0.000012	0.0057	0.0000049	11	0.0005	0.00017	0.00089	0.46
9	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
9	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
9	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
10	January	1.3	0.096	0.079	0.015	0.036	2.2	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.0002	0.0012	0.51
10	February	0.76	0.1	0.18	0.015	0.027	2.3	0.0039	0.16	0.0004	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
10	March	1.1	0.084	0.19	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00023	0.0011	0.59
10	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
10	May	0.6	0.05	0.027	0.0073	0.035	1.6	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00017	0.001	0.51
10	June	0.57	0.043	0.022	0.0069	0.036	1.3	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
10	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
10	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00036	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
10	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00023	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
10	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
10	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
10	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
11	January	1.3	0.096	0.079	0.015	0.036	2.2	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00053	0.0002	0.0012	0.51
11	February	0.76	0.1	0.18	0.015	0.027	2.3	0.0039	0.16	0.0004	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
11	March	1.1	0.084	0.19	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00023	0.0011	0.59
11	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
11	May	0.6	0.05	0.027	0.0073	0.035	1.6	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00017	0.001	0.51
11	June	0.57	0.043	0.022	0.0069	0.036	1.3	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
11	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
11	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
11	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00023	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
11	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
11	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
11	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
12	January	1.3	0.096	0.079	0.015	0.036	2.2	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00053	0.0002	0.0012	0.51
12	February	0.76	0.1	0.18	0.015	0.027	2.3	0.0039	0.16	0.0004	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
12	March	1.1	0.084	0.19	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00023	0.0011	0.59
12	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
12	May	0.6	0.05	0.027	0.0073	0.035	1.6	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00017	0.001	0.51
12	June	0.57	0.043	0.022	0.0069	0.036	1.3	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
12	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
12	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
12	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00023	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
12	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
12	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
12	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
13	January	1.3	0.096	0.079	0.015	0.036	2.2	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00053	0.0002	0.0012	0.51
13	February	0.76	0.1	0.18	0.015	0.027	2.3	0.0039	0.16	0.0004	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00021	0.0011	0.52
13	March	1.1	0.084	0.19	0.015	0.029	2.4	0.0039	0.17	0.0004	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00023	0.0011	0.59
13	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
13	May	0.6	0.05	0.027	0.0073	0.035	1.6	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00017	0.001	0.51
13	June	0.57	0.043	0.022	0.0069	0.036	1.3	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
13	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
13	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00023	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
13	October	0.75	0.066	0.054	0.0089	0.031	1.7	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
13	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00018	0.0012	0.50
13	December	1.3	0.07	0.066	0.013	0.036	2.0	0.0039	0.16	0.00038	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
14	January	1.3	0.096	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00053	0.00019	0.0012	0.51
14	February	0.75	0.1	0.18	0.015	0.027	2.1	0.0039	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
14	March	1.1	0.084	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
14	April	1.0	0.07	0.18	0.014	0.028	1.9	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
14	May	0.6	0.05	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00016	0.001	0.51
14	June	0.57	0.043	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00016	0.001	0.52
14	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
14	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
14	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
14	October	0.75	0.066	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00018	0.00087	0.47
14	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
14	December	1.3	0.07	0.066	0.013	0.036	1.9	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
15	January	1.3	0.096	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
15	February	0.75	0.1	0.18	0.015	0.027	2.1	0.0039	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
15	March	1.1	0.084	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
15	April	1.0	0.07	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.00021	0.0011	0.58
15	May	0.6	0.05	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000062	10	0.0006	0.00016	0.001	0.51
15	June	0.57	0.043	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
15	July	0.8	0.057	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
15	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
15	September	0.7	0.063	0.049	0.0089	0.032	1.5	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00017	0.00089	0.46
15	October	0.75	0.066	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00054	0.00017	0.00087	0.47
15	November	1.2	0.06	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
15	December	1.3	0.07	0.066	0.013	0.036	1.9	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
16	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
16	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
16	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
16	April	1.0	0.069	0.18	0.014	0.028	1.7	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
16	May	0.6	0.05	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
16	June	0.57	0.043	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
16	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
16	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
16	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
16	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
16	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
16	December	1.3	0.072	0.066	0.013	0.036	1.9	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
17	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
17	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
17	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
17	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
17	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
17	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
17	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
17	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
17	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
17	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
17	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
17	December	1.3	0.072	0.066	0.013	0.036	1.9	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
18	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
18	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
18	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
18	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
18	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
18	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
18	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
18	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
18	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
18	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
18	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
19	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
19	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
19	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
19	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
19	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
19	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
19	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
19	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
19	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
19	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
19	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
19	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
20	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
20	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
20	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
20	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
20	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
20	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
20	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
20	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
20	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
20	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
20	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
20	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
21	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
21	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
21	March	1.1	0.087	0.19	0.015	0.028	2.1	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
21	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
21	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
21	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
21	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
21	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
21	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
21	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
21	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
21	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
22	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
22	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
22	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
22	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
22	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
22	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
22	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
22	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
22	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
22	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
22	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
22	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
23	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
23	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
23	April	1.0	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
23	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
23	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
23	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
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23	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
23	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
23	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
24	January	1.3	0.099	0.079	0.015	0.036	2.0	0.0039	0.18	0.00039	0.002	0.000022	0.006	0.000022	13	0.00052	0.00019	0.0012	0.51
24	February	0.75	0.1	0.18	0.015	0.027	2.1	0.004	0.16	0.00039	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.0002	0.0011	0.52
24	March	1.1	0.087	0.19	0.015	0.028	2.2	0.0039	0.17	0.00039	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00022	0.0011	0.59
24	April	1	0.071	0.18	0.014	0.028	1.8	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
24	May	0.6	0.051	0.027	0.0073	0.035	1.5	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
24	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
24	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
24	August	0.75	0.058	0.028	0.012	0.024	1.4	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
24	September	0.7	0.063	0.049	0.0089	0.032	1.4	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
24	October	0.75	0.067	0.054	0.0089	0.031	1.6	0.0041	0.18	0.00027	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
24	November	1.2	0.061	0.064	0.014	0.036	1.5	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
24	December	1.3	0.072	0.066	0.013	0.036	1.8	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00018	0.0011	0.47
25	January	1.3	0.099	0.079	0.015	0.036	1.8	0.0039	0.18	0.00038	0.002	0.000022	0.006	0.000022	13	0.00052	0.00018	0.0012	0.51
25	February	0.75	0.1	0.18	0.015	0.026	1.8	0.004	0.16	0.00038	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
25	March	1.1	0.087	0.19	0.015	0.028	1.9	0.0039	0.17	0.00038	0.0025	0.000014	0.0058	0.0000093	15	0.00071	0.00021	0.0011	0.59
25	April	1.0	0.071	0.18	0.014	0.028	1.7	0.0037	0.16	0.00036	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
25	May	0.6	0.051	0.027	0.0073	0.035	1.4	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
25	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
25	July	0.8	0.058	0.029	0.014	0.022	1.3	0.0026	0.22	0.00039	0.0031	0.000015	0.0058	0.0000093	11	0.00078	0.00021	0.001	0.61
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25	October	0.75	0.067	0.054	0.0089	0.031	1.5	0.0041	0.18	0.00026	0.0023	0.000012	0.0055	0.0000047	12	0.00053	0.00017	0.00087	0.47
25	November	1.2	0.061	0.064	0.014	0.036	1.4	0.0045	0.2	0.00037	0.0022	0.000022	0.0059	0.000018	12	0.0005	0.00017	0.0012	0.50
25	December	1.3	0.072	0.066	0.013	0.035	1.6	0.0039	0.16	0.00037	0.002	0.00002	0.006	0.000019	12	0.00047	0.00017	0.0011	0.47
26	January	1.3	0.099	0.079	0.015	0.036	1.6	0.0039	0.18	0.00037	0.002	0.000022	0.006	0.000022	13	0.00052	0.00018	0.0012	0.51
26	February	0.74	0.1	0.18	0.015	0.026	1.6	0.004	0.16	0.00038	0.0024	0.000014	0.0058	0.000011	15	0.00067	0.00019	0.0011	0.52
26	March	1.1	0.087	0.19	0.015	0.028	1.6	0.0039	0.17	0.00037	0.0025	0.000014	0.0057	0.0000093	15	0.00071	0.0002	0.0011	0.59
26	April	1.0	0.071	0.18	0.014	0.028	1.6	0.0037	0.16	0.00035	0.0024	0.000013	0.0057	0.0000087	15	0.00069	0.0002	0.0011	0.58
26	May	0.6	0.051	0.027	0.0073	0.035	1.3	0.002	0.22	0.00022	0.002	0.000011	0.0054	0.0000061	10	0.0006	0.00016	0.001	0.51
26	June	0.57	0.044	0.022	0.0069	0.036	1.2	0.002	0.22	0.00022	0.0019	0.000011	0.0055	0.0000057	9.9	0.0006	0.00015	0.001	0.52
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26	August	0.75	0.058	0.028	0.012	0.024	1.3	0.004	0.18	0.00035	0.0033	0.000013	0.0057	0.0000093	11	0.00068	0.0002	0.001	0.58
26	September	0.7	0.063	0.049	0.0089	0.032	1.3	0.0039	0.15	0.00022	0.0024	0.000012	0.0057	0.000005	11	0.0005	0.00016	0.00089	0.46
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26	December	1.3	0.072	0.066	0.013	0.035	1.5	0.0039	0.16	0.00036	0.002	0.00002	0.006	0.000019	12	0.00047	0.00017	0.0011	0.47
27	January	1.3	0.099	0.079	0.015	0.036	1.6	0.0039	0.17	0.00037	0.0019	0.000022	0.006	0.000021	13	0.00051	0.00018	0.0011	0.50
27	February	0.75	0.1	0.18	0.015	0.026	1.6	0.004	0.14	0.00038	0.0023	0.000013	0.0058	0.0000095	15	0.00065	0.00018	0.001	0.50
27	March	1.1	0.087	0.19	0.015	0.028	1.6	0.0039	0.15	0.00038	0.0023	0.000013	0.0058	0.0000071	15	0.00069	0.0002	0.0011	0.58
27	April	1.0	0.071	0.18	0.014	0.028	1.5	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.000007	15	0.00067	0.00019	0.0011	0.57
27	May	0.6	0.051	0.027	0.0073	0.035	1.3	0.002	0.22	0.00021	0.0019	0.000011	0.0054	0.0000053	10	0.0006	0.00015	0.001	0.51
27	June	0.57	0.043	0.022	0.0069	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000051	9.9	0.0006	0.00015	0.001	0.51
27	July	0.8	0.057	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0058	0.0000086	11	0.00077	0.00021	0.001	0.61
27	August	0.75	0.058	0.028	0.012	0.024	1.3	0.004	0.17	0.00035	0.0032	0.000013	0.0057	0.0000084	11	0.00068	0.0002	0.001	0.58

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.7	0.063	0.048	0.0089	0.031	1.3	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000037	11	0.00049	0.00016	0.00087	0.45
27	October	0.75	0.067	0.054	0.0088	0.031	1.4	0.0041	0.17	0.00026	0.0023	0.000012	0.0055	0.0000033	12	0.00052	0.00016	0.00084	0.47
27	November	1.2	0.06	0.064	0.014	0.036	1.4	0.0045	0.18	0.00036	0.0021	0.000022	0.006	0.000017	12	0.00049	0.00017	0.0011	0.49
27	December	1.3	0.071	0.066	0.013	0.035	1.5	0.0039	0.15	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
28	January	1.3	0.098	0.079	0.015	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.006	0.00002	13	0.00051	0.00017	0.0011	0.49
28	February	0.76	0.1	0.18	0.015	0.026	1.6	0.004	0.14	0.00038	0.0022	0.000013	0.0058	0.0000092	15	0.00065	0.00018	0.001	0.50
28	March	1.1	0.086	0.19	0.015	0.028	1.6	0.0039	0.15	0.00038	0.0023	0.000013	0.0058	0.0000067	15	0.00069	0.0002	0.0011	0.57
28	April	1	0.07	0.18	0.014	0.028	1.5	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.0000066	15	0.00067	0.00019	0.001	0.56
28	May	0.6	0.05	0.027	0.0073	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.000005	10	0.0006	0.00015	0.001	0.51
28	June	0.58	0.043	0.022	0.0068	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000048	9.9	0.0006	0.00015	0.001	0.51
28	July	0.81	0.057	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0058	0.0000084	11	0.00077	0.00021	0.001	0.60
28	August	0.76	0.058	0.028	0.012	0.024	1.3	0.004	0.17	0.00035	0.0032	0.000013	0.0058	0.0000082	11	0.00068	0.0002	0.00099	0.58
28	September	0.71	0.063	0.048	0.0088	0.031	1.3	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000036	11	0.00049	0.00016	0.00086	0.45
28	October	0.76	0.066	0.054	0.0088	0.031	1.4	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.0000031	12	0.00052	0.00016	0.00084	0.46
28	November	1.3	0.06	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000022	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
28	December	1.3	0.071	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
29	January	1.3	0.097	0.078	0.015	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.006	0.00002	13	0.00051	0.00017	0.0011	0.49
29	February	0.77	0.1	0.18	0.015	0.026	1.7	0.004	0.14	0.00038	0.0022	0.000013	0.0058	0.0000091	15	0.00065	0.00018	0.001	0.50
29	March	1.1	0.085	0.19	0.015	0.028	1.7	0.0039	0.15	0.00038	0.0023	0.000013	0.0058	0.0000066	15	0.00069	0.0002	0.0011	0.57
29	April	1.1	0.07	0.18	0.014	0.028	1.5	0.0037	0.15	0.00035	0.0023	0.000013	0.0057	0.0000065	15	0.00067	0.00019	0.001	0.56
29	May	0.6	0.05	0.026	0.0072	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.0000049	10	0.00059	0.00015	0.001	0.50
29	June	0.58	0.042	0.022	0.0068	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000048	9.9	0.0006	0.00015	0.001	0.51
29	July	0.81	0.056	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.00021	0.001	0.60
29	August	0.76	0.057	0.028	0.012	0.024	1.3	0.004	0.17	0.00038	0.0032	0.000013	0.0058	0.0000081	11	0.00068	0.0002	0.00099	0.58
29	September	0.72	0.062	0.048	0.0088	0.031	1.3	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000035	11	0.00049	0.00015	0.00086	0.45
29	October	0.77	0.066	0.054	0.0087	0.031	1.3	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.0000031	12	0.00052	0.00016	0.00083	0.46
29	November	1.3	0.06	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000022	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
29	December	1.3	0.07	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
30	January	1.3	0.096	0.078	0.014	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.0061	0.00002	13	0.00051	0.00017	0.0011	0.49
30	February	0.78	0.1	0.18	0.015	0.026	1.7	0.0039	0.14	0.00039	0.0022	0.000013	0.0058	0.000009	15	0.00065	0.00018	0.001	0.50
30	March	1.1	0.084	0.19	0.015	0.028	1.7	0.0039	0.15	0.00039	0.0023	0.000013	0.0058	0.0000066	15	0.00069	0.00019	0.0011	0.57
30	April	1.1	0.069	0.18	0.013	0.028	1.5	0.0037	0.15	0.00036	0.0023	0.000013	0.0058	0.0000065	15	0.00067	0.00019	0.001	0.56
30	May	0.61	0.049	0.026	0.0071	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.0000049	10	0.00059	0.00015	0.001	0.50
30	June	0.58	0.042	0.022	0.0067	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00015	0.001	0.51
30	July	0.81	0.056	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0059	0.0000084	11	0.00077	0.00021	0.001	0.60
30	August	0.77	0.057	0.028	0.012	0.024	1.3	0.004	0.17	0.00036	0.0032	0.000013	0.0058	0.0000081	11	0.00067	0.00019	0.00099	0.58
30	September	0.72	0.062	0.048	0.0087	0.031	1.3	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000035	11	0.00049	0.00015	0.00086	0.45
30	October	0.78	0.065	0.054	0.0087	0.031	1.3	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.0000031	12	0.00052	0.00016	0.00083	0.46
30	November	1.3	0.059	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000021	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
30	December	1.3	0.069	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
31	January	1.4	0.093	0.078	0.014	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.0061	0.00002	13	0.00051	0.00017	0.0011	0.49
31	February	0.79	0.097	0.18	0.015	0.026	1.6	0.0039	0.14	0.00039	0.0022	0.000013	0.0058	0.000009	15	0.00065	0.00018	0.001	0.50
31	March	1.1	0.081	0.19	0.015	0.028	1.6	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.57
31	April	1.1	0.068	0.18	0.013	0.028	1.4	0.0037	0.15	0.00036	0.0023	0.000013	0.0058	0.0000064	15	0.00067	0.00019	0.001	0.56
31	May	0.61	0.048	0.026	0.0071	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.0000048	10	0.00059	0.00015	0.001	0.50
31	June	0.58	0.041	0.022	0.0067	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00015	0.001	0.51
31	July	0.81	0.055	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0059	0.0000083	11	0.00077	0.00021	0.001	0.60
31	August	0.77	0.056	0.028	0.012	0.024	1.3	0.004	0.17	0.00036	0.0032	0.000013	0.0058	0.0000081	11	0.00067	0.00019	0.00099	0.58
31	September	0.72	0.061	0.048	0.0087	0.031	1.2	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000035	11	0.00049	0.00015	0.00086	0.45
31	October	0.78	0.064	0.054	0.0087	0.031	1.3	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.000003	12	0.00052	0.00016	0.00083	0.46
31	November	1.3	0.058	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000021	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
31	December	1.3	0.067	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
32	January	1.4	0.093	0.078	0.014	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.0061	0.00002	13	0.00051	0.00017	0.0011	0.49
32	February	0.8	0.097	0.18	0.015	0.026	1.6	0.0039	0.14	0.00039	0.0022	0.000013	0.0058	0.000009	15	0.00065	0.00018	0.001	0.50
32	March	1.1	0.081	0.19	0.015	0.028	1.6	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.57
32	April	1.1	0.067	0.18	0.013	0.028	1.4	0.0037	0.15	0.00036	0.0023	0.000013	0.0058	0.0000064	15	0.00067	0.00019	0.001	0.56

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.61	0.047	0.026	0.0071	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.0000048	10	0.00059	0.00015	0.001	0.50
32	June	0.58	0.041	0.022	0.0067	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00015	0.001	0.51
32	July	0.81	0.055	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0059	0.0000083	11	0.00077	0.00021	0.001	0.60
32	August	0.77	0.056	0.028	0.012	0.024	1.3	0.004	0.17	0.00036	0.0032	0.000013	0.0058	0.0000081	11	0.00067	0.00019	0.00099	0.58
32	September	0.72	0.061	0.048	0.0087	0.031	1.2	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000034	11	0.00049	0.00015	0.00086	0.45
32	October	0.78	0.064	0.054	0.0087	0.031	1.3	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.000003	12	0.00052	0.00016	0.00083	0.46
32	November	1.3	0.058	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000021	0.006	0.000017	12	0.00049	0.00016	0.0011	0.49
32	December	1.3	0.067	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
33	January	1.4	0.093	0.078	0.014	0.036	1.6	0.0039	0.16	0.00038	0.0019	0.000022	0.0061	0.00002	13	0.00051	0.00017	0.0011	0.49
33	February	0.8	0.097	0.18	0.015	0.026	1.6	0.0039	0.14	0.00039	0.0022	0.000013	0.0058	0.000009	15	0.00065	0.00018	0.001	0.50
33	March	1.1	0.081	0.19	0.015	0.028	1.6	0.0039	0.15	0.00039	0.0023	0.000013	0.0059	0.0000066	15	0.00069	0.00019	0.0011	0.57
33	April	1.1	0.067	0.18	0.013	0.028	1.4	0.0037	0.15	0.00036	0.0023	0.000013	0.0058	0.0000064	15	0.00067	0.00019	0.001	0.56
33	May	0.61	0.047	0.026	0.0071	0.035	1.2	0.002	0.21	0.00022	0.0019	0.000011	0.0054	0.0000048	10	0.00059	0.00015	0.001	0.50
33	June	0.58	0.041	0.022	0.0067	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0055	0.0000047	9.9	0.0006	0.00015	0.001	0.51
33	July	0.81	0.055	0.029	0.014	0.022	1.2	0.0026	0.21	0.00039	0.003	0.000015	0.0059	0.0000083	11	0.00077	0.00021	0.001	0.60
33	August	0.77	0.056	0.028	0.012	0.024	1.3	0.004	0.17	0.00036	0.0032	0.000013	0.0058	0.000008	11	0.00067	0.00019	0.00099	0.58
33	September	0.72	0.061	0.048	0.0087	0.031	1.2	0.0039	0.14	0.00022	0.0023	0.000012	0.0057	0.0000034	11	0.00049	0.00015	0.00086	0.45
33	October	0.78	0.064	0.054	0.0087	0.031	1.3	0.0041	0.17	0.00026	0.0022	0.000012	0.0056	0.000003	12	0.00052	0.00016	0.00083	0.46
33	November	1.3	0.058	0.064	0.014	0.036	1.3	0.0045	0.18	0.00037	0.0021	0.000021	0.006	0.000016	12	0.00049	0.00016	0.0011	0.49
33	December	1.3	0.067	0.066	0.013	0.035	1.5	0.0039	0.14	0.00037	0.0019	0.00002	0.006	0.000017	12	0.00046	0.00016	0.0011	0.46
34	January	1.5	0.11	0.078	0.015	0.034	2.1	0.0038	0.15	0.0004	0.0019	0.000021	0.0064	0.000019	13	0.00056	0.00018	0.0011	0.46
34	February	0.91	0.077	0.18	0.013	0.026	1.8	0.0038	0.14	0.0004	0.0022	0.000014	0.0063	0.0000091	16	0.00067	0.00019	0.001	0.50
34	March	1.2	0.058	0.19	0.013	0.028	1.8	0.0038	0.15	0.0004	0.0023	0.000014	0.0063	0.0000067	15	0.00071	0.0002	0.0011	0.57
34	April	1.2	0.054	0.17	0.012	0.027	1.5	0.0035	0.14	0.00036	0.0023	0.000013	0.0061	0.0000064	14	0.00069	0.00018	0.0011	0.53
34	May	0.73	0.037	0.026	0.0061	0.034	1.2	0.0019	0.2	0.00022	0.0019	0.000011	0.0056	0.0000049	10	0.00061	0.00015	0.001	0.49
34	June	0.67	0.036	0.022	0.0061	0.035	1.1	0.002	0.21	0.00022	0.0019	0.000011	0.0056	0.0000048	9.9	0.00061	0.00014	0.001	0.50
34	July	0.9	0.051	0.029	0.013	0.022	1.2	0.0025	0.21	0.00039	0.003	0.000015	0.006	0.0000083	11	0.00078	0.0002	0.001	0.59
34	August	0.86	0.051	0.028	0.011	0.024	1.3	0.004	0.16	0.00036	0.0031	0.000013	0.006	0.000008	11	0.00069	0.00019	0.001	0.56
34	September	0.86	0.052	0.047	0.0077	0.031	1.3	0.0038	0.14	0.00024	0.0023	0.000012	0.006	0.0000036	11	0.00052	0.00015	0.00089	0.44
34	October	0.9	0.051	0.052	0.0074	0.03	1.3	0.0039	0.16	0.00027	0.0022	0.000012	0.0059	0.0000032	12	0.00055	0.00016	0.00086	0.45
34	November	1.3	0.047	0.063	0.013	0.036	1.2	0.0044	0.18	0.00036	0.002	0.000022	0.0061	0.000016	12	0.0005	0.00016	0.0011	0.49
34	December	1.4	0.049	0.063	0.011	0.035	1.5	0.0038	0.14	0.00037	0.0019	0.000021	0.0064	0.000017	12	0.00047	0.00016	0.0011	0.46
35	January	1.4	0.074	0.076	0.012	0.035	1.6	0.0038	0.16	0.00038	0.0019	0.000022	0.0064	0.00002	13	0.00052	0.00017	0.0011	0.49
35	February	0.87	0.075	0.18	0.012	0.026	1.6	0.0038	0.14	0.00039	0.0022	0.000014	0.0062	0.0000091	16	0.00067	0.00018	0.001	0.50
35	March	1.2	0.056	0.19	0.013	0.028	1.6	0.0038	0.15	0.00039	0.0023	0.000014	0.0063	0.0000067	15	0.00071	0.0002	0.0011	0.57
35	April	1.2	0.053	0.17	0.011	0.027	1.6	0.0035	0.14	0.00036	0.0023	0.000014	0.0062	0.0000064	15	0.0007	0.00019	0.0011	0.54
35	May	0.71	0.036	0.026	0.006	0.034	1.1	0.0019	0.2	0.00022	0.0019	0.000011	0.0056	0.0000049	10	0.00061	0.00014	0.001	0.49
35	June	0.7	0.036	0.023	0.0062	0.034	1.3	0.002	0.2	0.00024	0.0019	0.000011	0.0057	0.0000093	10	0.0006	0.00016	0.001	0.49
35	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
35	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000016	11	0.00067	0.00022	0.00099	0.55
35	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
35	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
35	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.00002	12	0.00049	0.00017	0.0011	0.48
35	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
36	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
36	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
36	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.15	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
36	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
36	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.002	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
36	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
36	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
36	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000016	11	0.00067	0.00022	0.00099	0.55
36	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
36	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
36	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
36	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
37	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
37	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.15	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
37	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
37	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
37	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
37	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
37	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
37	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
37	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
37	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
37	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
38	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
38	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
38	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
38	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
38	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
38	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
38	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
38	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
38	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
38	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
38	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
38	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
39	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
39	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
39	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
39	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
39	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
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39	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
39	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
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39	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
39	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
39	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
40	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
40	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
40	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
40	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
40	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
40	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
40	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
40	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
40	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
40	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.16	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
40	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
40	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
41	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
41	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
41	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
41	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
41	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
41	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
41	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
41	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
41	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
41	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
41	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
42	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
42	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
42	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
42	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
42	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
42	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
42	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
42	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
42	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
42	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
42	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
42	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
43	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
43	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
43	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
43	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
43	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
43	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
43	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
43	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
43	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
43	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
43	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
43	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
44	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
44	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
44	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
44	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
44	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
44	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
44	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
44	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
44	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
44	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
44	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
44	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
45	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
45	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
45	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
45	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
45	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
45	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
45	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
45	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
45	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
45	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
45	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
45	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
46	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
46	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
46	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
46	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
46	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
46	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
46	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
46	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
46	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
46	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
46	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
47	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
47	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
47	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
47	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
47	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
47	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
47	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
47	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
47	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
47	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
47	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
47	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
48	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
48	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
48	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
48	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
48	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
48	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
48	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
48	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
48	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
48	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
48	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
48	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
49	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
49	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
49	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
49	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
49	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
49	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
49	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
49	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
49	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
49	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
49	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
49	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
50	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
50	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
50	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
50	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
50	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
50	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
50	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
50	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
50	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
50	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
50	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
50	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
51	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
51	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
51	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
51	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
51	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
51	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
51	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
51	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
51	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
51	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
51	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
52	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
52	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
52	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
52	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
52	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
52	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
52	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
52	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
52	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
52	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
52	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
52	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
53	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
53	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
53	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
53	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
53	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
53	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
53	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
53	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
53	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
53	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
53	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
53	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
54	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
54	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
54	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
54	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
54	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
54	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
54	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
54	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
54	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
54	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
54	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
54	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
55	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
55	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
55	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
55	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
55	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
55	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
55	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
55	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
55	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
55	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
55	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
56	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
56	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
56	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
56	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
56	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
56	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
56	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
56	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
56	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
56	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
56	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
56	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
57	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
57	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
57	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
57	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
57	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
57	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
57	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
57	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
57	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
57	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
57	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
57	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
58	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
58	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
58	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
58	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
58	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
58	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
58	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
58	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
58	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
58	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
58	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
58	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
59	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
59	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
59	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
59	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
59	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
59	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
59	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
59	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
59	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
59	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
59	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
59	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
60	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
60	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
60	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
60	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
60	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
60	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
60	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
60	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
60	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
60	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
60	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
61	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
61	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
61	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
61	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
61	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
61	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
61	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
61	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
61	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
61	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
61	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
61	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
62	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
62	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
62	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
62	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
62	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
62	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
62	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
62	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
62	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
62	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
62	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
62	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
63	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
63	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
63	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
63	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
63	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
63	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
63	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
63	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
63	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
63	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
63	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
63	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
64	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
64	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
64	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
64	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
64	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
64	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
64	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
64	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
64	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
64	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
64	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
64	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
65	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
65	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
65	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
65	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
65	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
65	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
65	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
65	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
65	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
65	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
65	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
66	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
66	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
66	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
66	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
66	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
66	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
66	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
66	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
66	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
66	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
66	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
66	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
67	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
67	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
67	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
67	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
67	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
67	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
67	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
67	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
67	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
67	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
67	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
67	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
68	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
68	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
68	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
68	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
68	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
68	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
68	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
68	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
68	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
68	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
68	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
68	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
69	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
69	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
69	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
69	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
69	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
69	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
69	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
69	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
69	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
69	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
69	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46
70	January	1.4	0.073	0.076	0.012	0.035	1.8	0.0038	0.16	0.0004	0.0019	0.000022	0.0065	0.000024	13	0.00052	0.00019	0.0011	0.48
70	February	0.9	0.074	0.18	0.012	0.026	1.9	0.0038	0.14	0.0004	0.0022	0.000013	0.0063	0.000013	16	0.00066	0.0002	0.001	0.49
70	March	1.2	0.056	0.19	0.013	0.028	1.9	0.0038	0.14	0.0004	0.0023	0.000013	0.0063	0.000011	15	0.0007	0.00022	0.0011	0.56
70	April	1.4	0.054	0.17	0.011	0.026	2.7	0.0034	0.13	0.00042	0.0023	0.000013	0.0064	0.000023	15	0.00066	0.00026	0.001	0.50
70	May	0.8	0.037	0.029	0.0061	0.033	1.8	0.0019	0.2	0.00026	0.0019	0.00001	0.0058	0.000015	10	0.0006	0.00019	0.001	0.47
70	June	0.7	0.036	0.024	0.0062	0.034	1.6	0.002	0.2	0.00026	0.0019	0.00001	0.0058	0.000013	10	0.0006	0.00018	0.001	0.48
70	July	0.9	0.051	0.03	0.013	0.022	1.5	0.0025	0.2	0.00041	0.003	0.000014	0.0061	0.000014	11	0.00076	0.00022	0.001	0.58
70	August	0.9	0.051	0.03	0.011	0.023	1.8	0.0039	0.16	0.00038	0.0031	0.000013	0.0061	0.000015	11	0.00067	0.00022	0.00099	0.55
70	September	1.0	0.052	0.049	0.0078	0.03	2.1	0.0037	0.13	0.00028	0.0023	0.000012	0.0062	0.000016	11	0.0005	0.0002	0.00088	0.42
70	October	1.0	0.051	0.054	0.0075	0.029	2.1	0.0038	0.15	0.00032	0.0023	0.000012	0.006	0.000015	12	0.00053	0.00021	0.00085	0.43
70	November	1.3	0.047	0.063	0.013	0.036	1.3	0.0044	0.18	0.00037	0.0021	0.000021	0.0061	0.000019	12	0.00049	0.00017	0.0011	0.48
70	December	1.4	0.049	0.064	0.011	0.035	1.6	0.0038	0.14	0.00038	0.0019	0.00002	0.0064	0.00002	12	0.00046	0.00018	0.0011	0.46

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00018	3.5	0.025	0.0000015	0.00025	0.00083	1.2	0.00017	0.000021	0.000004	0.000021	0.00028	0.00088	0.0013	0.00086	0.00061
-6	February	0.00017	4.3	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00082	0.002	0.00086	0.0006
-6	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00074	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00083	0.002	0.00087	0.00044
-6	April	0.00016	4.2	0.048	0.0000015	0.00024	0.00073	1.3	0.00013	0.00002	0.0000041	0.00003	0.00021	0.00083	0.002	0.00081	0.00043
-6	May	0.00016	3.2	0.023	0.000002	0.00018	0.00071	1.1	0.00011	0.000013	0.000005	0.000036	0.0002	0.00099	0.0016	0.0006	0.0003
-6	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.0	0.0001	0.000013	0.000005	0.000035	0.0002	0.00098	0.0015	0.0006	0.0003
-6	July	0.0002	3.4	0.047	0.0000018	0.00024	0.00082	1.0	0.00011	0.000023	0.0000047	0.000022	0.00016	0.00094	0.0022	0.00091	0.00043
-6	August	0.0002	3.6	0.051	0.0000017	0.00025	0.0008	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00093	0.0019	0.00082	0.00042
-6	September	0.00013	3.2	0.024	0.0000016	0.00024	0.00074	1.0	0.000088	0.000014	0.0000054	0.000049	0.0002	0.00081	0.0014	0.00061	0.00042
-6	October	0.00014	3.5	0.025	0.0000015	0.00026	0.00073	1.1	0.000084	0.000015	0.0000057	0.000054	0.00023	0.00085	0.0014	0.00064	0.00042
-6	November	0.00016	3.3	0.022	0.0000016	0.00024	0.00084	1.1	0.000072	0.000023	0.0000047	0.000026	0.00024	0.00087	0.0012	0.00089	0.0004
-6	December	0.00016	3.3	0.021	0.0000014	0.00023	0.00081	1.1	0.000069	0.00002	0.000004	0.000025	0.00023	0.00083	0.0012	0.0008	0.00039
-5	January	0.00017	3.5	0.025	0.0000015	0.00025	0.00083	1.2	0.00016	0.000021	0.000004	0.000021	0.00028	0.00087	0.0013	0.00086	0.00059
-5	February	0.00017	4.2	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00082	0.002	0.00086	0.00059
-5	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00074	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00083	0.002	0.00087	0.00043
-5	April	0.00016	4.2	0.048	0.0000015	0.00024	0.00073	1.2	0.00013	0.00002	0.0000042	0.000031	0.00021	0.00083	0.0021	0.00081	0.00042
-5	May	0.00016	3.1	0.023	0.000002	0.00018	0.00071	1.1	0.00011	0.000013	0.000005	0.000036	0.0002	0.00099	0.0016	0.0006	0.00029
-5	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.0	0.0001	0.000013	0.000005	0.000036	0.0002	0.00098	0.0015	0.0006	0.00029
-5	July	0.00021	3.4	0.047	0.0000018	0.00024	0.00082	1.0	0.00011	0.000023	0.0000047	0.000022	0.00016	0.00095	0.0022	0.00091	0.00043
-5	August	0.0002	3.6	0.051	0.0000017	0.00025	0.0008	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00093	0.0019	0.00082	0.00042
-5	September	0.00013	3.2	0.024	0.0000016	0.00024	0.00074	1.0	0.000088	0.000014	0.0000054	0.000049	0.0002	0.00081	0.0014	0.00061	0.00042
-5	October	0.00014	3.5	0.025	0.0000015	0.00026	0.00073	1.1	0.000084	0.000015	0.0000058	0.000054	0.00023	0.00085	0.0014	0.00064	0.00041
-5	November	0.00016	3.3	0.022	0.0000016	0.00024	0.00084	1.1	0.000072	0.000023	0.0000047	0.000026	0.00024	0.00087	0.0012	0.00089	0.0004
-5	December	0.00016	3.3	0.021	0.0000014	0.00023	0.00081	1.1	0.000069	0.00002	0.0000041	0.000025	0.00023	0.00083	0.0012	0.0008	0.00039
-4	January	0.00017	3.5	0.025	0.0000015	0.00025	0.00083	1.2	0.00016	0.000021	0.000004	0.000021	0.00028	0.00087	0.0013	0.00086	0.00059
-4	February	0.00017	4.2	0.044	0.0000015	0.00026	0.00069	1.3	0.00023	0.000021	0.000004	0.000028	0.00025	0.00082	0.002	0.00086	0.00059
-4	March	0.00017	4.2	0.047	0.0000015	0.00024	0.00074	1.3	0.00014	0.000021	0.000004	0.000028	0.00021	0.00083	0.002	0.00087	0.00043
-4	April	0.00016	4.2	0.048	0.0000015	0.00024	0.00073	1.2	0.00013	0.00002	0.0000042	0.000031	0.00021	0.00083	0.0021	0.00081	0.00041
-4	May	0.00016	3.1	0.023	0.000002	0.00018	0.00071	1.1	0.00011	0.000013	0.000005	0.000036	0.0002	0.00099	0.0016	0.0006	0.00029
-4	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.0	0.0001	0.000013	0.000005	0.000036	0.0002	0.00098	0.0015	0.0006	0.00029
-4	July	0.00021	3.4	0.047	0.0000018	0.00024	0.00082	1.0	0.00011	0.000023	0.0000047	0.000022	0.00016	0.00095	0.0022	0.00091	0.00043
-4	August	0.0002	3.6	0.051	0.0000017	0.00025	0.0008	1.1	0.00011	0.00002	0.0000039	0.000031	0.00019	0.00093	0.0019	0.00082	0.00042
-4	September	0.00013	3.2	0.024	0.0000016	0.00024	0.00074	1.0	0.000088	0.000014	0.0000054	0.000049	0.0002	0.00081	0.0014	0.00061	0.00042
-4	October	0.00014	3.5	0.025	0.0000015	0.00026	0.00073	1.1	0.000084	0.000015	0.0000058	0.000054	0.00023	0.00085	0.0014	0.00064	0.00041
-4	November	0.00016	3.3	0.022	0.0000016	0.00024	0.00084	1.1	0.000072	0.000023	0.0000047	0.000026	0.00024	0.00087	0.0012	0.00089	0.0004
-4	December	0.00016	3.3	0.021	0.0000014	0.00023	0.00081	1.1	0.000069	0.00002	0.0000041	0.000025	0.00023	0.00083	0.0012	0.0008	0.00039
-3	January	0.00024	3.5	0.025	0.0000016	0.00025	0.00086	1.2	0.00016	0.000021	0.0000041	0.000022	0.00028	0.00089	0.0016	0.00088	0.00059
-3	February	0.00025	4.2	0.045	0.0000016	0.00026	0.00073	1.3	0.00023	0.000021	0.0000041	0.000029	0.00025	0.00084	0.0024	0.00089	0.00059
-3	March	0.00027	4.2	0.047	0.0000016	0.00024	0.00079	1.3	0.00014	0.000021	0.0000042	0.000029	0.00021	0.00086	0.0025	0.00091	0.00043
-3	April	0.00024	4.2	0.048	0.0000015	0.00024	0.00077	1.3	0.00013	0.000021	0.0000043	0.000032	0.00021	0.00085	0.0024	0.00084	0.00041
-3	May	0.0002	3.1	0.023	0.000002	0.00018	0.00072	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.001	0.0018	0.00061	0.00029
-3	June	0.00019	3.1	0.022	0.0000019	0.00018	0.00071	1.0	0.0001	0.000013	0.000005	0.000036	0.0002	0.00099	0.0017	0.00061	0.00029
-3	July	0.00024	3.4	0.048	0.0000019	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000022	0.00016	0.00095	0.0023	0.00092	0.00043
-3	August	0.00025	3.6	0.051	0.0000018	0.00025	0.00082	1.1	0.00011	0.000021	0.000004	0.000032	0.00019	0.00094	0.0021	0.00084	0.00042
-3	September	0.00019	3.2	0.025	0.0000016	0.00024	0.00077	1.0	0.000089	0.000014	0.0000055	0.00005	0.0002	0.00083	0.0017	0.00063	0.00042
-3	October	0.00021	3.6	0.025	0.0000015	0.00026	0.00076	1.1	0.000085	0.000015	0.0000058	0.000055	0.00023	0.00087	0.0017	0.00066	0.00041
-3	November	0.00024	3.3	0.022	0.0000016	0.00024	0.00088	1.2	0.000073	0.000023	0.0000048	0.000027	0.00024	0.00089	0.0016	0.00092	0.0004
-3	December	0.00024	3.3	0.021	0.0000014	0.00023	0.00084	1.1	0.00007	0.000021	0.0000042	0.000026	0.00023	0.00086	0.0016	0.00084	0.00039
-2	January	0.00027	3.5	0.025	0.0000016	0.00025	0.00088	1.2	0.00016	0.000022	0.0000042	0.000022	0.00028	0.0009	0.0017	0.00089	0.00059
-2	February	0.00027	4.2	0.045	0.0000016	0.00026	0.00074	1.3	0.00023	0.000022	0.0000042	0.000029	0.00025	0.00085	0.0025	0.0009	0.00059
-2	March	0.00029	4.2	0.048	0.0000016	0.00024	0.0008	1.3	0.00014	0.000022	0.0000042	0.00003	0.00021	0.00086	0.0026	0.00091	0.00043
-2	April	0.00027	4.2	0.048	0.0000015	0.00024	0.00078	1.3	0.00013	0.000021	0.0000043	0.000032	0.00021	0.00086	0.0026	0.00085	0.00041
-2	May	0.00022	3.2	0.023	0.000002	0.00018	0.00074	1.1	0.00011	0.000013	0.0000051	0.000037	0.0002	0.001	0.0019	0.00062	0.00029
-2	June	0.00021	3.1	0.022	0.000002	0.00018	0.00071	1.0	0.0001	0.000013	0.0000051	0.000036	0.0002	0.001	0.0018	0.00062	0.00029
-2	July	0.00025	3.4	0.048	0.0000019	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00017	0.00096	0.0024	0.00093	0.00043
-2	August	0.00026	3.6	0.051	0.0000018	0.00025	0.00083	1.1	0.00011	0.000021	0.000004	0.000032	0.00019	0.00094	0.0021	0.00084	0.00042

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.0002	3.2	0.025	0.0000016	0.00024	0.00077	1.0	0.000089	0.000014	0.0000055	0.00005	0.0002	0.00083	0.0017	0.00063	0.00042
-2	October	0.00022	3.6	0.025	0.0000016	0.00026	0.00076	1.1	0.000085	0.000015	0.0000059	0.000055	0.00023	0.00087	0.0018	0.00067	0.00041
-2	November	0.00025	3.3	0.022	0.0000016	0.00024	0.00088	1.1	0.000073	0.000023	0.0000048	0.000027	0.00024	0.00089	0.0016	0.00092	0.0004
-2	December	0.00025	3.3	0.021	0.0000014	0.00023	0.00085	1.1	0.00007	0.000021	0.0000042	0.000026	0.00023	0.00086	0.0016	0.00084	0.00039
-1	January	0.00028	3.5	0.025	0.0000016	0.00025	0.00088	1.2	0.00016	0.000022	0.0000042	0.000022	0.00028	0.0009	0.0018	0.0009	0.00059
-1	February	0.00028	4.2	0.045	0.0000016	0.00026	0.00074	1.3	0.00023	0.000022	0.0000042	0.000029	0.00025	0.00085	0.0025	0.0009	0.00059
-1	March	0.0003	4.2	0.048	0.0000016	0.00024	0.0008	1.3	0.00014	0.000022	0.0000042	0.00003	0.00021	0.00086	0.0026	0.00092	0.00043
-1	April	0.00028	4.1	0.047	0.0000016	0.00024	0.00078	1.2	0.00013	0.000021	0.0000043	0.000031	0.0002	0.00084	0.0026	0.00087	0.00042
-1	May	0.00023	3.1	0.023	0.0000019	0.00018	0.00072	1.1	0.00011	0.000013	0.0000051	0.000037	0.0002	0.00099	0.0019	0.00062	0.00029
-1	June	0.00021	3.1	0.022	0.0000019	0.00018	0.00071	1.0	0.0001	0.000013	0.0000051	0.000036	0.0002	0.00099	0.0018	0.00061	0.00029
-1	July	0.00026	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000022	0.00016	0.00095	0.0024	0.00093	0.00043
-1	August	0.00026	3.5	0.051	0.0000017	0.00025	0.00083	1.1	0.00011	0.000021	0.000004	0.000031	0.00018	0.00094	0.0022	0.00085	0.00042
-1	September	0.00021	3.1	0.024	0.0000016	0.00024	0.00077	1.0	0.000089	0.000014	0.0000055	0.000049	0.00019	0.00082	0.0017	0.00063	0.00042
-1	October	0.00022	3.5	0.025	0.0000016	0.00026	0.00076	1.1	0.000085	0.000015	0.0000059	0.000055	0.00022	0.00086	0.0018	0.00066	0.00041
-1	November	0.00025	3.3	0.022	0.0000016	0.00023	0.00088	1.1	0.000073	0.000023	0.0000048	0.000027	0.00024	0.00089	0.0016	0.00093	0.0004
-1	December	0.00025	3.3	0.021	0.0000014	0.00023	0.00085	1.1	0.00007	0.000021	0.0000042	0.000027	0.00023	0.00085	0.0016	0.00084	0.00039
1	January	0.00027	3.5	0.026	0.0000016	0.00025	0.00087	1.2	0.00017	0.000021	0.0000042	0.000022	0.00028	0.0009	0.0017	0.00089	0.0006
1	February	0.00026	4.2	0.045	0.0000016	0.00026	0.00073	1.3	0.00023	0.000022	0.0000042	0.000029	0.00025	0.00084	0.0025	0.0009	0.00061
1	March	0.00028	4.2	0.048	0.0000016	0.00024	0.00079	1.3	0.00014	0.000021	0.0000042	0.00003	0.00021	0.00086	0.0025	0.00091	0.00043
1	April	0.00026	4.1	0.047	0.0000016	0.00024	0.00077	1.2	0.00013	0.000021	0.0000043	0.000032	0.0002	0.00084	0.0025	0.00086	0.00044
1	May	0.00022	3.1	0.022	0.0000019	0.00018	0.00071	1.1	0.00011	0.000013	0.0000051	0.000037	0.0002	0.00098	0.0019	0.00061	0.0003
1	June	0.00021	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.0001	0.000013	0.0000051	0.000036	0.0002	0.00098	0.0017	0.00061	0.0003
1	July	0.00025	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00095	0.0024	0.00093	0.00044
1	August	0.00025	3.5	0.051	0.0000017	0.00025	0.00082	1.1	0.00011	0.000021	0.0000039	0.000031	0.00018	0.00093	0.0021	0.00084	0.00043
1	September	0.00019	3.1	0.024	0.0000016	0.00024	0.00076	1.0	0.000089	0.000014	0.0000055	0.000049	0.00019	0.00081	0.0017	0.00063	0.00044
1	October	0.0002	3.5	0.025	0.0000015	0.00026	0.00075	1.1	0.000085	0.000015	0.0000059	0.000055	0.00022	0.00085	0.0017	0.00066	0.00044
1	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000073	0.000023	0.0000048	0.000027	0.00024	0.00088	0.0015	0.00092	0.00042
1	December	0.00023	3.3	0.021	0.0000014	0.00023	0.00084	1.1	0.00007	0.00002	0.0000041	0.000026	0.00023	0.00085	0.0015	0.00083	0.0004
2	January	0.00026	3.5	0.025	0.0000016	0.00026	0.00087	1.2	0.00017	0.000021	0.0000042	0.000023	0.00028	0.00089	0.0017	0.00089	0.00063
2	February	0.00025	4.2	0.045	0.0000016	0.00027	0.00073	1.3	0.00023	0.000021	0.0000042	0.000031	0.00025	0.00084	0.0024	0.00089	0.00065
2	March	0.00027	4.2	0.048	0.0000016	0.00024	0.00079	1.3	0.00014	0.000021	0.0000042	0.00003	0.00021	0.00085	0.0025	0.00091	0.00044
2	April	0.00025	4.1	0.047	0.0000015	0.00025	0.00076	1.3	0.00013	0.000021	0.0000042	0.000033	0.0002	0.00084	0.0024	0.00086	0.00047
2	May	0.00021	3.1	0.022	0.0000019	0.00018	0.00071	1.1	0.00011	0.000013	0.0000051	0.000038	0.0002	0.00098	0.0018	0.00061	0.00033
2	June	0.0002	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.0001	0.000013	0.000005	0.000036	0.0002	0.00098	0.0017	0.00061	0.00031
2	July	0.00024	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00095	0.0023	0.00093	0.00045
2	August	0.00025	3.5	0.051	0.0000017	0.00025	0.00082	1.1	0.00011	0.000021	0.0000039	0.000032	0.00018	0.00093	0.0021	0.00084	0.00044
2	September	0.00019	3.1	0.024	0.0000016	0.00024	0.00076	1.0	0.000089	0.000014	0.0000055	0.00005	0.00019	0.00081	0.0016	0.00062	0.00046
2	October	0.0002	3.5	0.025	0.0000015	0.00026	0.00075	1.1	0.000085	0.000015	0.0000059	0.000056	0.00022	0.00085	0.0017	0.00066	0.00046
2	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000073	0.000023	0.0000048	0.000028	0.00024	0.00088	0.0015	0.00092	0.00044
2	December	0.00023	3.3	0.021	0.0000014	0.00023	0.00083	1.1	0.00007	0.00002	0.0000041	0.000027	0.00023	0.00085	0.0015	0.00083	0.00041
3	January	0.00025	3.5	0.026	0.0000016	0.00026	0.00087	1.2	0.00017	0.000021	0.0000042	0.000024	0.00028	0.00089	0.0017	0.00089	0.00066
3	February	0.00025	4.2	0.045	0.0000016	0.00027	0.00073	1.3	0.00023	0.000021	0.0000042	0.000032	0.00025	0.00084	0.0024	0.00089	0.00068
3	March	0.00027	4.2	0.048	0.0000016	0.00024	0.00079	1.3	0.00014	0.000021	0.0000042	0.00003	0.00021	0.00085	0.0025	0.00091	0.00045
3	April	0.00025	4.1	0.047	0.0000015	0.00025	0.00076	1.3	0.00014	0.000021	0.0000042	0.000034	0.0002	0.00084	0.0024	0.00085	0.0005
3	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.000039	0.0002	0.00098	0.0018	0.00061	0.00035
3	June	0.0002	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.0001	0.000013	0.000005	0.000037	0.0002	0.00098	0.0017	0.00061	0.00032
3	July	0.00024	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00095	0.0023	0.00093	0.00046
3	August	0.00025	3.5	0.051	0.0000017	0.00025	0.00082	1.1	0.00011	0.000021	0.0000039	0.000032	0.00018	0.00093	0.0021	0.00084	0.00045
3	September	0.00018	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.000089	0.000014	0.0000055	0.00005	0.00019	0.00081	0.0016	0.00062	0.00048
3	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000057	0.00022	0.00085	0.0017	0.00066	0.00048
3	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000074	0.000023	0.0000048	0.000028	0.00024	0.00088	0.0015	0.00092	0.00045
3	December	0.00023	3.3	0.021	0.0000014	0.00023	0.00083	1.1	0.00007	0.00002	0.0000041	0.000027	0.00023	0.00085	0.0015	0.00083	0.00041
4	January	0.00025	3.5	0.026	0.0000016	0.00026	0.00087	1.2	0.00017	0.000021	0.0000042	0.000025	0.00028	0.00089	0.0017	0.00089	0.00069
4	February	0.00025	4.2	0.045	0.0000016	0.00027	0.00073	1.3	0.00023	0.000021	0.0000042	0.000032	0.00025	0.00084	0.0024	0.00089	0.00071
4	March	0.00027	4.2	0.048	0.0000016	0.00026	0.00079	1.3	0.00014	0.000021	0.0000042	0.000033	0.00021	0.00085	0.0025	0.00091	0.00056
4	April	0.00025	4.1	0.047	0.0000015	0.00025	0.00076	1.3	0.00014	0.000021	0.0000042	0.000034	0.0002	0.00084	0.0024	0.00085	0.00052

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.000039	0.0002	0.00098	0.0018	0.00061	0.00036
4	June	0.0002	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.0001	0.000013	0.000005	0.000037	0.0002	0.00098	0.0017	0.00061	0.00033
4	July	0.00024	3.4	0.047	0.0000018	0.00024	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00095	0.0023	0.00093	0.00046
4	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000032	0.00018	0.00093	0.0021	0.00084	0.00046
4	September	0.00018	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.000089	0.000014	0.0000055	0.000051	0.00019	0.00081	0.0016	0.00062	0.00049
4	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000057	0.00022	0.00085	0.0017	0.00066	0.0005
4	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000074	0.000023	0.0000048	0.000028	0.00024	0.00088	0.0015	0.00092	0.00047
4	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.00003	0.00023	0.00085	0.0015	0.00083	0.0005
5	January	0.00025	3.5	0.026	0.0000016	0.00027	0.00087	1.2	0.00017	0.000021	0.0000042	0.000026	0.00028	0.00089	0.0017	0.00089	0.00072
5	February	0.00025	4.2	0.045	0.0000016	0.00028	0.00073	1.3	0.00023	0.000021	0.0000042	0.000033	0.00025	0.00084	0.0024	0.00089	0.00074
5	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000034	0.00021	0.00085	0.0025	0.00091	0.00059
5	April	0.00025	4.1	0.047	0.0000015	0.00025	0.00076	1.3	0.00014	0.000021	0.0000042	0.000034	0.0002	0.00084	0.0024	0.00085	0.00052
5	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.000039	0.0002	0.00098	0.0018	0.00061	0.00037
5	June	0.0002	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.0001	0.000013	0.000005	0.000037	0.0002	0.00098	0.0017	0.00061	0.00034
5	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00095	0.0023	0.00093	0.00047
5	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.00047
5	September	0.00018	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.000089	0.000014	0.0000055	0.000051	0.00019	0.00081	0.0016	0.00062	0.0005
5	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000057	0.00022	0.00085	0.0017	0.00066	0.00052
5	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00048
5	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.00003	0.00023	0.00085	0.0015	0.00083	0.00053
6	January	0.00025	3.5	0.026	0.0000016	0.00027	0.00087	1.2	0.00017	0.000021	0.0000042	0.000026	0.00028	0.00089	0.0017	0.00089	0.00075
6	February	0.00025	4.2	0.045	0.0000016	0.00028	0.00073	1.3	0.00023	0.000021	0.0000042	0.000034	0.00025	0.00084	0.0024	0.00089	0.00077
6	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000035	0.00021	0.00085	0.0025	0.00091	0.00062
6	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00084	0.0024	0.00086	0.00054
6	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00039
6	June	0.0002	3.1	0.022	0.0000019	0.00018	0.0007	1.0	0.00011	0.000013	0.000005	0.000037	0.0002	0.00098	0.0017	0.00061	0.00035
6	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00048
6	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.00048
6	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000051	0.00019	0.00081	0.0016	0.00062	0.00052
6	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00053
6	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00049
6	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00055
7	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00077
7	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.0008
7	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00066
7	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00084	0.0024	0.00086	0.00056
7	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.0004
7	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00036
7	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00048
7	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.00049
7	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00053
7	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00055
7	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00051
7	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00058
8	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.0008
8	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00083
8	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00069
8	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.00058
8	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00042
8	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
8	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
8	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
8	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
8	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
8	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
8	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.00083
9	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000036	0.00025	0.00084	0.0024	0.00089	0.00086
9	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00072
9	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
9	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.000041	0.0002	0.00098	0.0018	0.00061	0.00043
9	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
9	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
9	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
9	September	0.00019	3.1	0.024	0.0000016	0.00026	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
9	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
9	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
9	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006
10	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.00083
10	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000036	0.00025	0.00084	0.0024	0.00089	0.00086
10	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00072
10	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
10	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.000041	0.0002	0.00098	0.0018	0.00061	0.00043
10	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
10	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
10	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
10	September	0.00019	3.1	0.024	0.0000016	0.00026	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
10	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
10	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
10	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006
11	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.00083
11	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000036	0.00025	0.00084	0.0024	0.00089	0.00086
11	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00072
11	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
11	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.000041	0.0002	0.00098	0.0018	0.00061	0.00043
11	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
11	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
11	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
11	September	0.00019	3.1	0.024	0.0000016	0.00026	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
11	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
11	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
11	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006
12	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.00083
12	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000036	0.00025	0.00084	0.0024	0.00089	0.00086
12	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00072
12	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
12	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.000041	0.0002	0.00098	0.0018	0.00061	0.00043
12	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
12	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
12	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
12	September	0.00019	3.1	0.024	0.0000016	0.00026	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
12	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
12	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
12	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006
13	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000028	0.00028	0.00089	0.0017	0.00089	0.00083
13	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000036	0.00025	0.00084	0.0024	0.00089	0.00086
13	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000037	0.00021	0.00086	0.0025	0.00091	0.00072
13	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
13	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.000041	0.0002	0.00098	0.0018	0.00061	0.00043
13	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
13	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
13	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00019	3.1	0.024	0.0000016	0.00026	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
13	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000087	0.000015	0.0000059	0.000059	0.00022	0.00085	0.0017	0.00066	0.00057
13	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0015	0.00092	0.00052
13	December	0.00023	3.3	0.021	0.0000014	0.00026	0.00083	1.2	0.000073	0.00002	0.0000042	0.000032	0.00023	0.00085	0.0015	0.00083	0.0006
14	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00083
14	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00086
14	March	0.00027	4.2	0.048	0.0000016	0.00028	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00086	0.0025	0.00091	0.00072
14	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000036	0.0002	0.00084	0.0024	0.00086	0.0006
14	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00043
14	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
14	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
14	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
14	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
14	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
14	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
14	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.0006
15	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00087	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00083
15	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00024	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00086
15	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00086	0.0025	0.00091	0.00072
15	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00084	0.0024	0.00086	0.0006
15	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00043
15	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
15	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.00049
15	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
15	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00062	0.00054
15	October	0.0002	3.5	0.025	0.0000015	0.00028	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
15	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
15	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.0006
16	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
16	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
16	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
16	April	0.00025	4.1	0.047	0.0000015	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00059
16	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00043
16	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00037
16	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
16	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
16	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00054
16	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
16	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
16	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
17	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
17	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
17	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
17	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
17	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
17	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
17	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
17	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
17	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
17	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
17	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
17	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
18	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
18	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
18	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
18	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
18	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
18	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
18	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
18	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
18	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
18	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
18	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
19	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
19	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
19	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
19	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
19	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
19	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
19	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
19	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
19	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
19	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
19	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
19	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
20	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
20	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
20	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
20	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
20	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
20	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
20	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
20	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
20	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
20	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
20	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
20	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
21	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
21	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
21	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
21	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
21	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
21	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
21	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
21	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
21	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
21	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
21	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
21	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
22	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
22	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
22	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
22	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
22	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
22	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
22	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
22	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
22	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
22	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
22	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
22	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
23	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
23	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
23	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
23	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
23	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
23	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
23	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
23	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
23	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
23	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
23	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
24	January	0.00025	3.5	0.026	0.0000016	0.00028	0.00086	1.2	0.00017	0.000021	0.0000042	0.000027	0.00028	0.00089	0.0017	0.00089	0.00085
24	February	0.00025	4.2	0.045	0.0000016	0.00029	0.00073	1.3	0.00023	0.000021	0.0000042	0.000035	0.00025	0.00084	0.0024	0.00089	0.00088
24	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000036	0.00021	0.00085	0.0025	0.00091	0.00074
24	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
24	May	0.00021	3.1	0.022	0.0000019	0.0002	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
24	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
24	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
24	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
24	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000052	0.00019	0.00081	0.0016	0.00063	0.00055
24	October	0.0002	3.5	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000058	0.00022	0.00085	0.0017	0.00066	0.00057
24	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
24	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.000031	0.00023	0.00085	0.0015	0.00083	0.00062
25	January	0.00025	3.5	0.026	0.0000016	0.00027	0.00086	1.2	0.00017	0.000021	0.0000042	0.000026	0.00028	0.00089	0.0017	0.00089	0.00085
25	February	0.00025	4.2	0.045	0.0000016	0.00028	0.00073	1.3	0.00023	0.000021	0.0000042	0.000034	0.00025	0.00084	0.0024	0.00089	0.00088
25	March	0.00027	4.2	0.048	0.0000016	0.00027	0.00079	1.3	0.00014	0.000021	0.0000042	0.000035	0.00021	0.00085	0.0025	0.00091	0.00074
25	April	0.00025	4.1	0.047	0.0000016	0.00026	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
25	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.00004	0.0002	0.00098	0.0018	0.00061	0.00044
25	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
25	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
25	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
25	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.00009	0.000014	0.0000055	0.000051	0.00019	0.00081	0.0016	0.00063	0.00055
25	October	0.0002	3.4	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000057	0.00022	0.00085	0.0017	0.00066	0.00057
25	November	0.00023	3.3	0.022	0.0000016	0.00025	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
25	December	0.00023	3.3	0.021	0.0000014	0.00025	0.00083	1.2	0.000072	0.00002	0.0000042	0.00003	0.00023	0.00085	0.0015	0.00083	0.00062
26	January	0.00025	3.5	0.026	0.0000016	0.00027	0.00086	1.2	0.00017	0.000021	0.0000042	0.000025	0.00028	0.00089	0.0017	0.00089	0.00085
26	February	0.00025	4.2	0.045	0.0000016	0.00027	0.00073	1.3	0.00023	0.000021	0.0000042	0.000032	0.00025	0.00084	0.0024	0.00089	0.00088
26	March	0.00027	4.2	0.048	0.0000016	0.00026	0.00079	1.3	0.00014	0.000021	0.0000042	0.000033	0.00021	0.00085	0.0025	0.00091	0.00074
26	April	0.00025	4.1	0.047	0.0000016	0.00025	0.00076	1.3	0.00014	0.000021	0.0000042	0.000035	0.0002	0.00083	0.0024	0.00086	0.00061
26	May	0.00021	3.1	0.022	0.0000019	0.00019	0.00071	1.1	0.00011	0.000013	0.0000051	0.000039	0.0002	0.00098	0.0018	0.00061	0.00044
26	June	0.0002	3.1	0.022	0.0000019	0.00019	0.0007	1.0	0.00011	0.000013	0.000005	0.000038	0.0002	0.00098	0.0017	0.00061	0.00038
26	July	0.00024	3.4	0.047	0.0000018	0.00025	0.00084	1.0	0.00011	0.000023	0.0000048	0.000024	0.00016	0.00095	0.0023	0.00093	0.0005
26	August	0.00025	3.5	0.051	0.0000017	0.00026	0.00082	1.1	0.00011	0.000021	0.0000039	0.000033	0.00018	0.00093	0.0021	0.00084	0.0005
26	September	0.00019	3.1	0.024	0.0000016	0.00025	0.00076	1.0	0.000089	0.000014	0.0000055	0.000051	0.00019	0.00081	0.0016	0.00063	0.00055
26	October	0.0002	3.4	0.025	0.0000015	0.00027	0.00075	1.1	0.000086	0.000015	0.0000059	0.000057	0.00022	0.00085	0.0017	0.00066	0.00057
26	November	0.00023	3.3	0.022	0.0000016	0.00024	0.00087	1.1	0.000074	0.000023	0.0000048	0.000029	0.00024	0.00088	0.0015	0.00092	0.00052
26	December	0.00023	3.3	0.021	0.0000014	0.00024	0.00083	1.2	0.000072	0.00002	0.0000042	0.000029	0.00023	0.00085	0.0015	0.00083	0.00062
27	January	0.0002	3.5	0.025	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0014	0.00087	0.00085
27	February	0.00019	4.2	0.044	0.0000016	0.00027	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00083	0.0021	0.00087	0.00088
27	March	0.00019	4.2	0.047	0.0000016	0.00026	0.00075	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00084	0.0021	0.00088	0.00074
27	April	0.00019	4.1	0.047	0.0000015	0.00025	0.00074	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.0021	0.00083	0.00061
27	May	0.00018	3.1	0.022	0.0000019	0.00019	0.0007	1.1	0.00011	0.000013	0.000005	0.000039	0.0002	0.00097	0.0017	0.0006	0.00044
27	June	0.00018	3.1	0.022	0.0000019	0.00018	0.00069	1.0	0.0001	0.000013	0.000005	0.000037	0.0002	0.00097	0.0016	0.0006	0.00037
27	July	0.00022	3.4	0.047	0.0000018	0.00025	0.00083	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00092	0.00049
27	August	0.00021	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00018	0.00092	0.0019	0.00083	0.0005

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00014	3.1	0.024	0.0000016	0.00025	0.00074	1.0	0.000089	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00054
27	October	0.00015	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000086	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00057
27	November	0.00017	3.3	0.022	0.0000016	0.00024	0.00085	1.1	0.000074	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.00052
27	December	0.00017	3.3	0.021	0.0000014	0.00025	0.00081	1.2	0.000072	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00061
28	January	0.00018	3.5	0.025	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.00084
28	February	0.00018	4.2	0.044	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00083	0.002	0.00086	0.00087
28	March	0.00018	4.2	0.047	0.0000016	0.00026	0.00075	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00083	0.002	0.00088	0.00074
28	April	0.00017	4.1	0.047	0.0000015	0.00025	0.00073	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.0021	0.00083	0.00061
28	May	0.00017	3.1	0.022	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000039	0.0002	0.00097	0.0016	0.00059	0.00043
28	June	0.00017	3.1	0.022	0.0000019	0.00018	0.00069	1.0	0.0001	0.000013	0.000005	0.000037	0.0002	0.00097	0.0016	0.0006	0.00037
28	July	0.00021	3.4	0.047	0.0000018	0.00025	0.00082	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00092	0.00049
28	August	0.00021	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00018	0.00092	0.0019	0.00083	0.0005
28	September	0.00014	3.1	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00054
28	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000086	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00057
28	November	0.00017	3.3	0.022	0.0000016	0.00024	0.00085	1.1	0.000074	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.00052
28	December	0.00016	3.3	0.021	0.0000014	0.00025	0.00081	1.2	0.000072	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00061
29	January	0.00018	3.5	0.025	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.00083
29	February	0.00017	4.3	0.044	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00082	0.002	0.00086	0.00087
29	March	0.00017	4.2	0.047	0.0000016	0.00026	0.00075	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00083	0.002	0.00087	0.00073
29	April	0.00017	4.1	0.047	0.0000015	0.00025	0.00073	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.0021	0.00083	0.0006
29	May	0.00016	3.1	0.022	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00097	0.0016	0.00059	0.00043
29	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.00097	0.0015	0.00059	0.00036
29	July	0.00021	3.4	0.047	0.0000018	0.00025	0.00082	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00091	0.00048
29	August	0.00021	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00018	0.00092	0.0019	0.00083	0.00049
29	September	0.00013	3.2	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00054
29	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000087	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00056
29	November	0.00017	3.3	0.022	0.0000016	0.00025	0.00085	1.2	0.000075	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.00051
29	December	0.00016	3.3	0.021	0.0000014	0.00025	0.00081	1.2	0.000072	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.0006
30	January	0.00018	3.5	0.025	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.00083
30	February	0.00017	4.3	0.044	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00082	0.002	0.00086	0.00086
30	March	0.00017	4.2	0.047	0.0000016	0.00027	0.00076	1.3	0.00014	0.000021	0.0000041	0.000033	0.00021	0.00083	0.002	0.00087	0.00072
30	April	0.00017	4.2	0.047	0.0000015	0.00025	0.00074	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.002	0.00083	0.00059
30	May	0.00016	3.1	0.022	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00097	0.0016	0.00059	0.00042
30	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.00097	0.0015	0.00059	0.00036
30	July	0.00021	3.4	0.047	0.0000018	0.00025	0.00083	1.0	0.00011	0.000023	0.0000048	0.000023	0.00016	0.00094	0.0022	0.00091	0.00048
30	August	0.0002	3.5	0.051	0.0000017	0.00026	0.00081	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00092	0.0019	0.00083	0.00049
30	September	0.00013	3.2	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.000051	0.00019	0.0008	0.0014	0.00061	0.00053
30	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000087	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00056
30	November	0.00017	3.3	0.022	0.0000016	0.00025	0.00085	1.2	0.000075	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.00051
30	December	0.00016	3.3	0.021	0.0000014	0.00025	0.00081	1.2	0.000073	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00059
31	January	0.00018	3.5	0.027	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.0008
31	February	0.00017	4.3	0.046	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00083	0.002	0.00086	0.00083
31	March	0.00017	4.2	0.049	0.0000016	0.00027	0.00076	1.3	0.00014	0.000021	0.0000042	0.000033	0.00021	0.00083	0.002	0.00088	0.00069
31	April	0.00017	4.2	0.047	0.0000015	0.00025	0.00074	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.002	0.00083	0.00059
31	May	0.00016	3.1	0.023	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00097	0.0016	0.00059	0.00041
31	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.00097	0.0015	0.00059	0.00035
31	July	0.00021	3.4	0.047	0.0000018	0.00025	0.00082	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00091	0.00048
31	August	0.0002	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00092	0.0019	0.00083	0.00048
31	September	0.00013	3.2	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00052
31	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000087	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00055
31	November	0.00016	3.3	0.022	0.0000016	0.00025	0.00085	1.2	0.000075	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.0005
31	December	0.00016	3.3	0.022	0.0000014	0.00025	0.00081	1.2	0.000073	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00058
32	January	0.00018	3.5	0.027	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.0008
32	February	0.00017	4.3	0.046	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00083	0.002	0.00086	0.00083
32	March	0.00017	4.2	0.049	0.0000016	0.00027	0.00076	1.3	0.00014	0.000021	0.0000042	0.000033	0.00021	0.00083	0.002	0.00087	0.00069
32	April	0.00016	4.2	0.048	0.0000015	0.00025	0.00074	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.002	0.00083	0.00058

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00016	3.1	0.023	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00097	0.0016	0.00059	0.00041
32	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.00097	0.0015	0.00059	0.00035
32	July	0.00021	3.4	0.048	0.0000018	0.00025	0.00082	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00091	0.00048
32	August	0.0002	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00092	0.0019	0.00083	0.00048
32	September	0.00013	3.2	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00052
32	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000087	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00055
32	November	0.00016	3.3	0.022	0.0000016	0.00025	0.00085	1.2	0.000075	0.000023	0.0000047	0.000028	0.00024	0.00087	0.0012	0.0009	0.0005
32	December	0.00016	3.3	0.022	0.0000014	0.00025	0.00081	1.2	0.000073	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00058
33	January	0.00017	3.5	0.027	0.0000016	0.00027	0.00084	1.2	0.00017	0.000021	0.0000041	0.000025	0.00028	0.00088	0.0013	0.00086	0.0008
33	February	0.00017	4.3	0.046	0.0000016	0.00028	0.0007	1.3	0.00023	0.000021	0.0000041	0.000032	0.00025	0.00083	0.002	0.00086	0.00083
33	March	0.00017	4.2	0.049	0.0000016	0.00027	0.00076	1.3	0.00014	0.000021	0.0000042	0.000033	0.00021	0.00083	0.002	0.00087	0.00069
33	April	0.00016	4.2	0.048	0.0000015	0.00025	0.00074	1.3	0.00014	0.00002	0.0000042	0.000033	0.0002	0.00082	0.002	0.00083	0.00058
33	May	0.00016	3.1	0.023	0.0000019	0.00019	0.00069	1.1	0.00011	0.000013	0.000005	0.000038	0.0002	0.00097	0.0016	0.00059	0.00041
33	June	0.00016	3.1	0.022	0.0000019	0.00018	0.00069	1.1	0.00011	0.000013	0.000005	0.000037	0.0002	0.00097	0.0015	0.00059	0.00035
33	July	0.00021	3.4	0.048	0.0000018	0.00025	0.00082	1.0	0.00011	0.000023	0.0000047	0.000023	0.00016	0.00094	0.0022	0.00091	0.00048
33	August	0.0002	3.5	0.051	0.0000017	0.00026	0.0008	1.1	0.00011	0.00002	0.0000039	0.000032	0.00019	0.00092	0.0019	0.00083	0.00048
33	September	0.00013	3.2	0.024	0.0000016	0.00025	0.00074	1.0	0.00009	0.000014	0.0000055	0.00005	0.00019	0.0008	0.0014	0.00061	0.00052
33	October	0.00014	3.5	0.025	0.0000015	0.00027	0.00073	1.1	0.000087	0.000015	0.0000058	0.000056	0.00022	0.00084	0.0014	0.00064	0.00055
33	November	0.00016	3.3	0.022	0.0000016	0.00025	0.00085	1.2	0.000075	0.000023	0.0000047	0.000028	0.00024	0.00086	0.0012	0.0009	0.0005
33	December	0.00016	3.3	0.022	0.0000014	0.00025	0.00081	1.2	0.000073	0.00002	0.0000041	0.000029	0.00023	0.00083	0.0012	0.00081	0.00058
34	January	0.00017	3.4	0.029	0.000002	0.00045	0.00082	1.4	0.00019	0.000022	0.0000044	0.000051	0.00034	0.001	0.0015	0.00088	0.00096
34	February	0.00017	4.2	0.045	0.0000018	0.00033	0.00071	1.4	0.00025	0.000022	0.0000043	0.000043	0.00028	0.00088	0.002	0.0009	0.00066
34	March	0.00017	4.2	0.048	0.0000018	0.00031	0.00077	1.4	0.00015	0.000022	0.0000043	0.000044	0.00024	0.00088	0.0021	0.00091	0.0005
34	April	0.00016	4.0	0.046	0.0000019	0.00038	0.00072	1.4	0.00015	0.000021	0.0000044	0.000051	0.00025	0.00093	0.0021	0.00085	0.00046
34	May	0.00016	3.1	0.022	0.0000021	0.00027	0.00069	1.1	0.00012	0.000014	0.0000051	0.000048	0.00023	0.001	0.0016	0.00061	0.00032
34	June	0.00016	3.1	0.022	0.000002	0.00025	0.00068	1.1	0.00011	0.000014	0.0000051	0.000045	0.00022	0.001	0.0016	0.00061	0.00031
34	July	0.0002	3.3	0.047	0.0000019	0.00029	0.00082	1.1	0.00012	0.000023	0.0000048	0.000029	0.00018	0.00097	0.0022	0.00092	0.00044
34	August	0.0002	3.5	0.05	0.0000019	0.00032	0.0008	1.2	0.00012	0.000021	0.0000041	0.000042	0.00021	0.00098	0.0019	0.00084	0.00044
34	September	0.00013	3.1	0.024	0.0000019	0.00035	0.00073	1.1	0.00011	0.000015	0.0000056	0.000063	0.00023	0.00089	0.0015	0.00064	0.00045
34	October	0.00014	3.4	0.025	0.0000018	0.00036	0.00073	1.2	0.0001	0.000016	0.0000059	0.000068	0.00026	0.00092	0.0015	0.00067	0.00044
34	November	0.00016	3.3	0.022	0.0000017	0.00026	0.00085	1.2	0.000079	0.000023	0.0000048	0.00003	0.00024	0.00088	0.0012	0.0009	0.00041
34	December	0.00016	3.3	0.021	0.0000016	0.00028	0.00082	1.2	0.000083	0.000021	0.0000042	0.000036	0.00025	0.00087	0.0012	0.00083	0.00042
35	January	0.00017	3.5	0.026	0.0000018	0.0003	0.00085	1.3	0.00018	0.000022	0.0000042	0.000033	0.0003	0.00091	0.0013	0.00089	0.00063
35	February	0.00017	4.2	0.045	0.0000018	0.00032	0.00071	1.4	0.00025	0.000022	0.0000042	0.000042	0.00028	0.00087	0.002	0.00089	0.00064
35	March	0.00017	4.2	0.048	0.0000018	0.00031	0.00077	1.4	0.00015	0.000022	0.0000043	0.000044	0.00024	0.00088	0.002	0.00091	0.00048
35	April	0.00016	4.0	0.046	0.0000019	0.00038	0.00073	1.4	0.00016	0.000021	0.0000045	0.000053	0.00026	0.00094	0.0021	0.00086	0.00046
35	May	0.00016	3.1	0.022	0.0000021	0.00027	0.00068	1.1	0.00012	0.000014	0.0000051	0.000048	0.00023	0.001	0.0016	0.00061	0.00031
35	June	0.00016	3.1	0.023	0.0000022	0.00027	0.00072	1.1	0.00013	0.000014	0.0000052	0.000054	0.00023	0.001	0.0018	0.00064	0.00031
35	July	0.0002	3.3	0.047	0.0000021	0.00031	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
35	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
35	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
35	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
35	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00088	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
35	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
36	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
36	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
36	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
36	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
36	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0022	0.00069	0.00031
36	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000054	0.000062	0.00025	0.001	0.002	0.00067	0.00031
36	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
36	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
36	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
36	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
36	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
36	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
37	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
37	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
37	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
37	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0022	0.00069	0.00031
37	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000054	0.000062	0.00025	0.001	0.002	0.00067	0.00031
37	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
37	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
37	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
37	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
37	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
37	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
38	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
38	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
38	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
38	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
38	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
38	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000054	0.000062	0.00025	0.001	0.002	0.00067	0.00031
38	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
38	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
38	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
38	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
38	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
38	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
39	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
39	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
39	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
39	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
39	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
39	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
39	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
39	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
39	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
39	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
39	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
39	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
40	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
40	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
40	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
40	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
40	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
40	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
40	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
40	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
40	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
40	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
40	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
40	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
41	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
41	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
41	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
41	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
41	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
41	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
41	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
41	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
41	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
41	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
41	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
42	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
42	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
42	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
42	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
42	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
42	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
42	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
42	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
42	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
42	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
42	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
42	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
43	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
43	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
43	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
43	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
43	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
43	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
43	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
43	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
43	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
43	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
43	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
43	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
44	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
44	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
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44	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
44	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
44	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
44	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
44	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
44	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
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44	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
45	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
45	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
45	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
45	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
45	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
45	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
45	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
45	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
45	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
45	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
45	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
45	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
46	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
46	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
46	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
46	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
46	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
46	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
46	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
46	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
46	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
46	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
46	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
47	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
47	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
47	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
47	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
47	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
47	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
47	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
47	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
47	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
47	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
47	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
47	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
48	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
48	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
48	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
48	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
48	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
48	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
48	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
48	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
48	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
48	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
48	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
48	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
49	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
49	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
49	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
49	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
49	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
49	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
49	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
49	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
49	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
49	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
49	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
49	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
50	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
50	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
50	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
50	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
50	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
50	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
50	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
50	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
50	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
50	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
50	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
50	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
51	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
51	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
51	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
51	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
51	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
51	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
51	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
51	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
51	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
51	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
51	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
52	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
52	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
52	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
52	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
52	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
52	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
52	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
52	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
52	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
52	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
52	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
52	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
53	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
53	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
53	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
53	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
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53	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
53	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
53	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
53	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
53	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
53	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
54	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
54	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
54	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
54	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
54	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
54	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
54	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
54	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
54	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
54	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
54	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
54	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
55	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
55	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
55	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
55	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
55	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
55	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
55	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
55	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
55	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
55	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
55	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
56	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
56	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
56	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
56	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
56	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
56	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
56	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
56	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
56	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
56	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
56	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
56	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
57	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
57	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
57	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
57	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
57	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
57	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
57	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
57	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
57	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
57	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
57	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
57	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
58	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
58	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
58	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
58	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
58	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
58	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
58	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
58	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
58	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
58	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
58	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
58	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
59	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
59	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
59	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
59	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
59	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
59	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
59	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
59	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
59	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
59	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
59	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
59	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
60	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
60	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
60	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
60	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
60	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
60	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
60	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
60	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
60	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
60	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
60	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
61	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
61	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
61	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
61	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
61	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
61	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
61	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
61	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
61	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
61	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
61	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
61	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
62	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
62	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
62	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
62	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
62	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
62	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
62	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
62	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
62	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
62	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
62	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
62	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
63	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
63	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
63	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
63	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
63	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
63	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
63	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
63	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
63	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
63	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
63	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
63	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
64	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
64	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
64	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
64	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
64	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
64	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
64	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
64	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
64	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
64	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
64	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
64	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
65	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
65	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
65	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
65	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
65	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
65	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
65	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
65	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
65	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
65	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
65	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
66	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
66	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
66	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
66	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
66	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
66	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
66	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
66	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
66	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
66	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
66	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
66	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
67	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
67	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
67	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
67	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
67	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
67	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
67	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
67	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
67	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
67	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
67	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
67	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
68	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
68	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
68	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
68	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
68	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
68	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
68	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
68	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
68	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
68	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
68	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
68	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
69	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
69	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
69	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
69	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
69	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
69	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
69	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
69	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044

Table G-7: Tabulated Receiver Water Quality Model Results, Base Case, Dixie Creek (DIX-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
69	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
69	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
69	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042
70	January	0.00017	3.5	0.027	0.0000019	0.00032	0.00088	1.3	0.00019	0.000022	0.0000043	0.000041	0.00031	0.00092	0.0015	0.00091	0.00063
70	February	0.00016	4.2	0.046	0.0000019	0.00034	0.00075	1.4	0.00026	0.000023	0.0000044	0.00005	0.00029	0.00088	0.0022	0.00092	0.00064
70	March	0.00016	4.2	0.049	0.000002	0.00033	0.00081	1.4	0.00017	0.000023	0.0000044	0.000053	0.00025	0.00089	0.0023	0.00094	0.00048
70	April	0.00015	4.0	0.048	0.0000026	0.00047	0.00088	1.5	0.00022	0.000024	0.000005	0.000086	0.0003	0.00097	0.0029	0.00097	0.00046
70	May	0.00015	3.1	0.024	0.0000025	0.00033	0.00078	1.2	0.00016	0.000016	0.0000054	0.000069	0.00026	0.0011	0.0021	0.00069	0.00031
70	June	0.00016	3.1	0.024	0.0000023	0.00029	0.00076	1.2	0.00015	0.000015	0.0000053	0.000062	0.00025	0.001	0.002	0.00067	0.00031
70	July	0.0002	3.3	0.047	0.0000021	0.00032	0.00086	1.1	0.00014	0.000024	0.000005	0.00004	0.0002	0.00099	0.0024	0.00095	0.00044
70	August	0.00019	3.5	0.051	0.0000022	0.00036	0.00086	1.2	0.00015	0.000022	0.0000043	0.000057	0.00023	0.00099	0.0023	0.00089	0.00044
70	September	0.00013	3.1	0.026	0.0000023	0.00041	0.00083	1.2	0.00015	0.000017	0.0000059	0.000086	0.00026	0.00092	0.002	0.00072	0.00045
70	October	0.00013	3.4	0.027	0.0000022	0.00042	0.00083	1.2	0.00015	0.000018	0.0000062	0.000091	0.00029	0.00095	0.002	0.00075	0.00044
70	November	0.00016	3.3	0.022	0.0000018	0.00028	0.00087	1.2	0.000091	0.000024	0.0000049	0.000037	0.00025	0.00089	0.0014	0.00092	0.00041
70	December	0.00016	3.3	0.022	0.0000017	0.00029	0.00085	1.3	0.000095	0.000021	0.0000043	0.000043	0.00026	0.00088	0.0014	0.00085	0.00042

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	February	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	March	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	April	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	May	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	June	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	July	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	August	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	September	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	October	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	November	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	December	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	January	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	February	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	March	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	April	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	May	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	June	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	July	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	August	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	September	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	October	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	November	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	December	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	January	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	February	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	March	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	April	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	May	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	June	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	July	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	August	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	September	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	October	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	November	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	December	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-3	January	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.17
-3	February	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
-3	March	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
-3	April	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
-3	May	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
-3	June	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000053	0.00027	0.17
-3	July	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
-3	August	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.000004	10	0.00026	0.000054	0.00028	0.17
-3	September	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.025	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
-3	October	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
-3	November	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000055	0.00029	0.18
-3	December	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
-2	January	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000056	0.0003	0.18
-2	February	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.032	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00026	0.000057	0.0003	0.18
-2	March	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000057	0.0003	0.18
-2	April	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000054	10	0.00027	0.000058	0.00031	0.18
-2	May	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
-2	June	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
-2	July	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
-2	August	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.037	0.000051	0.0021	0.00001	0.005	0.0000058	10	0.00027	0.000059	0.00031	0.18

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0021	0.00001	0.005	0.0000059	10	0.00027	0.000059	0.00032	0.18
-2	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.000006	10	0.00027	0.000059	0.00032	0.18
-2	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
-2	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.041	0.000051	0.0022	0.00001	0.005	0.0000063	10	0.00027	0.00006	0.00033	0.19
-1	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.042	0.000051	0.0022	0.00001	0.005	0.0000065	10	0.00027	0.000061	0.00033	0.19
-1	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
-1	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000062	0.00034	0.19
-1	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.000007	10	0.00028	0.000062	0.00034	0.19
-1	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
-1	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
-1	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
-1	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
-1	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
-1	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00034	0.19
-1	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19
-1	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000064	0.00035	0.19
1	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
1	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
1	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.2
1	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.000008	10	0.00028	0.000065	0.00036	0.2
1	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.000008	10	0.00028	0.000065	0.00036	0.2
1	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.000008	10	0.00028	0.000065	0.00036	0.2
1	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.2
1	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
1	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
1	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.2
1	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.000008	10	0.00028	0.000065	0.00036	0.2
1	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
2	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
2	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
2	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
2	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
2	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
2	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
2	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
2	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
2	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
2	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
2	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
2	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
3	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000066	0.00037	0.2
3	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.058	0.000052	0.0023	0.000011	0.005	0.0000087	10	0.00029	0.000067	0.00037	0.2
3	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00037	0.2
3	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
3	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
3	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00037	0.2
3	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.058	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000067	0.00037	0.2
3	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000066	0.00037	0.2
3	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000066	0.00037	0.2
3	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.058	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000066	0.00037	0.2
3	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.058	0.000052	0.0023	0.000011	0.005	0.0000087	10	0.00029	0.000067	0.00037	0.2
3	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00037	0.2
4	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
4	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.000009	10	0.00029	0.000067	0.00038	0.2
4	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
4	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
4	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
4	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
4	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00038	0.2
4	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00038	0.2
4	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
4	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.06	0.000052	0.0023	0.000011	0.005	0.0000089	10	0.00029	0.000067	0.00038	0.2
4	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.000009	10	0.00029	0.000068	0.00038	0.2
5	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
5	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
5	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
5	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
5	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
5	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
5	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
5	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.000009	10	0.00029	0.000068	0.00038	0.2
5	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.000009	10	0.00029	0.000068	0.00038	0.2
5	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
5	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
5	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
6	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
6	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
6	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
6	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
6	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
6	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
6	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
6	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
6	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
6	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.062	0.000052	0.0023	0.000011	0.005	0.0000092	10	0.00029	0.000068	0.00038	0.2
6	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
6	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000068	0.00039	0.2
7	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
7	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2
7	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
7	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
7	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
7	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
7	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
7	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00039	0.2
7	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000093	10	0.00029	0.000068	0.00038	0.2
7	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000068	0.00039	0.2
7	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
7	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
8	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2
8	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
8	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
8	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
8	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
8	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
8	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
8	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
8	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
8	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0023	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
8	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
8	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
9	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
9	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
9	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
9	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
9	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
9	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
9	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
9	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
9	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.064	0.000052	0.0024	0.000011	0.005	0.0000095	10	0.00029	0.000069	0.00039	0.2
9	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.2
9	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
10	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
10	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
10	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
10	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
10	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
10	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
10	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
10	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2
10	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2
10	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.00029	0.000069	0.00039	0.2
10	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
10	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
11	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
11	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
11	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
11	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
11	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
11	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
11	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
11	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
11	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.2
11	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
11	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
11	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
12	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
12	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
12	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
12	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
12	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
12	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
12	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
12	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
12	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.21
12	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
12	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
12	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
13	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
13	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
13	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
13	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
13	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
13	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
13	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
13	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
13	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
13	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
13	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
14	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
14	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
14	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
14	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
14	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
14	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
14	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
14	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
14	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
14	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
14	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
14	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
15	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
15	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
15	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
15	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
15	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
15	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
15	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
15	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
15	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
15	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
15	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
15	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
16	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
16	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
16	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
16	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
16	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
16	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
16	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
16	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
16	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
16	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
16	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
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17	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
17	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
17	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
17	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
17	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
17	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
17	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
17	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.000069	0.00039	0.21
17	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
17	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
17	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
17	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
18	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
18	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
18	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
18	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
18	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
18	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
18	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
18	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
18	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
18	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
18	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
19	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
19	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
19	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
19	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
19	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
19	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
19	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
19	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
19	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
19	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
19	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.0004	0.21
19	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
20	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
20	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
20	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
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20	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
20	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
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20	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
21	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
21	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
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22	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
22	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
22	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
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22	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
22	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
22	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
22	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
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Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
23	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
23	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
23	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
23	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
23	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
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25	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
25	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
26	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
26	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
26	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.069	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
26	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
26	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.07	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.000071	0.0004	0.21
26	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.068	0.000052	0.0024	0.000011	0.005	0.00001	10	0.0003	0.00007	0.0004	0.21
26	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
26	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
26	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
26	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
26	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
26	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
27	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.067	0.000052	0.0024	0.000011	0.005	0.0000099	10	0.0003	0.00007	0.0004	0.21
27	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000098	10	0.0003	0.00007	0.00039	0.21
27	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.066	0.000052	0.0024	0.000011	0.005	0.0000097	10	0.0003	0.000069	0.00039	0.21
27	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.065	0.000052	0.0024	0.000011	0.005	0.0000096	10	0.0003	0.000069	0.00039	0.2
27	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.063	0.000052	0.0023	0.000011	0.005	0.0000094	10	0.00029	0.000069	0.00039	0.2
27	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.061	0.000052	0.0023	0.000011	0.005	0.0000091	10	0.00029	0.000068	0.00038	0.2
27	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.059	0.000052	0.0023	0.000011	0.005	0.0000088	10	0.00029	0.000067	0.00037	0.2
27	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000086	10	0.00029	0.000066	0.00037	0.2

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
27	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
27	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
27	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
28	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.000008	10	0.00028	0.000065	0.00036	0.2
28	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
28	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
28	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
28	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
28	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19
28	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.000063	0.00034	0.19
28	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.000007	10	0.00028	0.000062	0.00034	0.19
28	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000062	0.00034	0.19
28	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000062	0.00034	0.19
28	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000061	0.00033	0.19
28	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
29	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
29	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
29	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.042	0.000051	0.0022	0.00001	0.005	0.0000065	10	0.00027	0.000061	0.00033	0.19
29	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.042	0.000051	0.0022	0.00001	0.005	0.0000065	10	0.00027	0.000061	0.00033	0.19
29	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.041	0.000051	0.0022	0.00001	0.005	0.0000064	10	0.00027	0.00006	0.00033	0.19
29	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
29	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.000006	10	0.00027	0.00006	0.00032	0.18
29	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0021	0.00001	0.005	0.0000059	10	0.00027	0.000059	0.00032	0.18
29	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.037	0.000051	0.0021	0.00001	0.005	0.0000058	10	0.00027	0.000059	0.00032	0.18
29	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.037	0.000051	0.0021	0.00001	0.005	0.0000058	10	0.00027	0.000059	0.00031	0.18
29	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
29	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
30	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
30	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
30	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
30	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
30	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000054	10	0.00027	0.000058	0.00031	0.18
30	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000058	0.00031	0.18
30	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000057	0.0003	0.18
30	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.032	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00026	0.000057	0.0003	0.18
30	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.031	0.000051	0.0021	0.00001	0.005	0.000005	10	0.00026	0.000057	0.0003	0.18
30	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.031	0.000051	0.0021	0.00001	0.005	0.000005	10	0.00026	0.000057	0.0003	0.18
30	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.031	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000057	0.0003	0.18
30	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000056	0.0003	0.18
31	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000056	0.0003	0.18
31	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
31	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
31	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
31	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
31	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18
31	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000056	0.00029	0.18
31	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000055	0.00029	0.18
31	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000055	0.00029	0.18
31	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000055	0.00029	0.17
31	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000055	0.00029	0.17
31	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
32	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
32	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
32	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
32	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00028	0.17

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.0021	0.00001	0.005	0.0000042	10	0.00026	0.000055	0.00028	0.17
32	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
32	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
32	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.000004	10	0.00026	0.000054	0.00028	0.17
32	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.000004	10	0.00026	0.000054	0.00028	0.17
32	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.000004	10	0.00026	0.000054	0.00028	0.17
32	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
32	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
33	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
33	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
33	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
33	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
33	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
33	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000053	0.00027	0.17
33	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000053	0.00027	0.17
33	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00025	0.000053	0.00027	0.17
33	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
34	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
34	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
34	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
34	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000053	0.00027	0.17
34	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00026	0.17
35	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
36	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
36	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
36	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
36	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
36	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.000003	10	0.00025	0.000051	0.00026	0.17
37	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
41	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
41	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
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43	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
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45	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
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46	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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46	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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48	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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49	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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55	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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61	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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62	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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63	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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64	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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64	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-6	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-5	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-4	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-3	January	0.000029	2.3	0.011	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
-3	February	0.000037	2.3	0.011	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
-3	March	0.000044	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
-3	April	0.000052	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
-3	May	0.00006	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
-3	June	0.000066	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-3	July	0.000071	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-3	August	0.000075	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-3	September	0.00008	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
-3	October	0.000086	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
-3	November	0.000093	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
-3	December	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	January	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	February	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	March	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
-2	April	0.00013	2.3	0.012	0.00000059	0.00011	0.00029	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-2	May	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-2	June	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-2	July	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-2	August	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000051	0.00004	0.00028	0.002	0.00014	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00014	0.00016
-2	October	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
-2	November	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
-2	December	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
-1	January	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0022	0.00015	0.00016
-1	February	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
-1	March	0.00017	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
-1	April	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
-1	May	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	June	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	July	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	August	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	September	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	October	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	November	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
-1	December	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
1	January	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0024	0.00017	0.00016
1	February	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	March	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	April	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	May	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	June	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	July	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	August	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	September	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	October	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	November	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
1	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
2	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
2	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
2	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
2	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	November	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
2	December	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	January	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	February	0.00024	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	March	0.00024	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	April	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
3	May	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
3	June	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	July	0.00024	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	August	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	September	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	October	0.00024	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	November	0.00024	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
3	December	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
4	January	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
4	February	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
4	March	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
4	April	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
4	June	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
4	July	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
4	August	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0025	0.00018	0.00016
4	September	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0025	0.00018	0.00016
4	October	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
4	November	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00018	0.00016
4	December	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	January	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	February	0.00026	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	March	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	April	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	May	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	June	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	July	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	August	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	September	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	October	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	November	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
5	December	0.00026	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	January	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	February	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	March	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0027	0.00019	0.00016
6	April	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
6	May	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
6	June	0.00026	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	July	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	August	0.00026	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	September	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	October	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	November	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
6	December	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	January	0.00026	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	February	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
7	March	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
7	April	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
7	May	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
7	June	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
7	July	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	August	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	September	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	October	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	November	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
7	December	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0027	0.00019	0.00016
8	January	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
8	February	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
8	March	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
8	April	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
8	May	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
8	June	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
8	July	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
8	August	0.00026	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
8	September	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
8	October	0.00026	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
8	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0027	0.00019	0.00016
8	December	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
9	February	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
9	March	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
9	April	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
9	May	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
9	June	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
9	July	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
9	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
9	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0027	0.00019	0.00016
9	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
9	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
9	December	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	January	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
10	February	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
10	March	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
10	April	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
10	May	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
10	June	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
10	July	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
10	December	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
11	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
11	February	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
11	March	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
11	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
11	May	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
11	June	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
11	July	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
11	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
11	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
11	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
11	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
11	December	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	February	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	March	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
12	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
12	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
12	June	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	July	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
12	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
12	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
12	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
12	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
13	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
13	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
13	March	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
13	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
13	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
13	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
13	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
13	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
13	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
13	November	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
13	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
14	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
14	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
14	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
14	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
14	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
14	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
14	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
14	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
14	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
14	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
14	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
14	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
15	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
15	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
15	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
15	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
15	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
15	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
15	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
16	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
16	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
16	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
16	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
16	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
16	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
16	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
17	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
17	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
17	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
17	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
17	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
17	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
17	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
18	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
18	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
18	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
18	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
18	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	October	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
18	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
19	February	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
19	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
19	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
19	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
19	June	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
19	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
19	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
20	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
20	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
20	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
20	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
20	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
20	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	August	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
20	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
21	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
21	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
21	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
21	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
21	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
21	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
21	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
22	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
22	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
22	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
22	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
22	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
22	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
22	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
23	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
23	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
23	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
23	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
23	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
23	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
23	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
23	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
23	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
23	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
23	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
24	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
24	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
24	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
24	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
24	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
24	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
24	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
25	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
25	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
25	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
25	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
25	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
25	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
25	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	January	0.00028	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00032	0.0027	0.0002	0.00016
26	February	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
26	March	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
26	April	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
26	May	0.00029	2.3	0.012	0.00000066	0.00011	0.00037	0.75	0.000078	0.0000066	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
26	June	0.00029	2.3	0.012	0.00000066	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000054	0.000053	0.000041	0.00032	0.0028	0.0002	0.00016
26	July	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	August	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	September	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	October	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	November	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
26	December	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
27	January	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
27	February	0.00028	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.0002	0.00016
27	March	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000065	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
27	April	0.00027	2.3	0.012	0.00000065	0.00011	0.00036	0.75	0.000078	0.0000064	0.0000053	0.000053	0.000041	0.00031	0.0027	0.00019	0.00016
27	May	0.00026	2.3	0.012	0.00000065	0.00011	0.00035	0.75	0.000078	0.0000064	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
27	June	0.00025	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.00031	0.0026	0.00019	0.00016
27	July	0.00024	2.3	0.012	0.00000064	0.00011	0.00035	0.75	0.000078	0.0000063	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
27	August	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
27	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
27	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
27	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
28	January	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
28	February	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
28	March	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
28	April	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
28	May	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
28	June	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.000006	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
28	July	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
28	August	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	September	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	October	0.00017	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	November	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	December	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
29	January	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
29	February	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
29	March	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
29	April	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0022	0.00015	0.00016
29	May	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	June	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	July	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	August	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	September	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00014	0.00016
29	October	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	November	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000052	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	December	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	January	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	February	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	March	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	April	0.00013	2.3	0.012	0.00000059	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	May	0.00013	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
30	June	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
30	July	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00014	0.00016
30	August	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	September	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	October	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	November	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	December	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	January	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	February	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	March	0.0001	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	April	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	May	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	June	0.000098	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	July	0.000095	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	August	0.000093	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	September	0.000092	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	October	0.00009	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	November	0.000089	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	December	0.000088	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
32	January	0.000087	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
32	February	0.000087	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
32	March	0.000086	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
32	April	0.000085	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000084	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	June	0.000081	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	July	0.000079	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	August	0.000077	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	September	0.000076	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	October	0.000075	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	November	0.000074	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	December	0.000074	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	January	0.000073	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	February	0.000072	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	March	0.000072	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	April	0.000071	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	May	0.00007	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	June	0.000068	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	July	0.000067	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	August	0.000065	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	September	0.000064	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	October	0.000064	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00011	0.00016
33	November	0.000063	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
33	December	0.000062	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	January	0.000062	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	February	0.000062	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	March	0.000061	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	April	0.000061	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	May	0.00006	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	June	0.000058	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	July	0.000057	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	August	0.000056	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	September	0.000055	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	October	0.000055	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	November	0.000054	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	December	0.000054	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	January	0.000054	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	February	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	March	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	April	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	May	0.000052	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	June	0.000051	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	July	0.00005	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	August	0.000049	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	September	0.000049	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	October	0.000048	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	November	0.000048	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	December	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	January	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	February	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	March	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	April	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	May	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	June	0.000045	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	July	0.000044	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	August	0.000044	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	September	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	October	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	November	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	December	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	February	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	March	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	April	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	May	0.000041	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	June	0.000041	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	July	0.00004	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	August	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	September	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	October	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	November	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	December	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
38	January	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
38	February	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
38	March	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	April	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	May	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	June	0.000037	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	July	0.000037	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	August	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	September	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	October	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	November	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
38	December	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0016	0.0001	0.00016
39	January	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	February	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	March	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	April	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	May	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	June	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	July	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	August	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	September	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	October	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	November	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
39	December	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	January	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	February	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	March	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	April	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	May	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	June	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	July	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	August	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	September	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	October	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	November	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
40	December	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	January	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	February	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	March	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	April	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	May	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	June	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	July	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	August	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	October	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	November	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
41	December	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	January	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	February	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	March	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	April	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	May	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	June	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	July	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	August	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	September	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	October	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	November	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
42	December	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	January	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	February	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	March	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	April	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	May	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	June	0.000028	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	July	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	August	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	September	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	October	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	November	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
43	December	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	January	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	February	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	March	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	April	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	May	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	June	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	July	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	August	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	October	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	November	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
44	December	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	January	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	February	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	March	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	April	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	May	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	June	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	July	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	August	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	October	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	November	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
45	December	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	January	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	February	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	March	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	April	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	June	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	July	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	August	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	October	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	November	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
46	December	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
47	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
47	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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47	April	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
47	May	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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47	December	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
48	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
48	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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50	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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50	June	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
50	July	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
50	August	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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50	November	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
50	December	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
51	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
51	March	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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51	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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51	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
52	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
52	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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52	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
52	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
52	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
52	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
53	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
54	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
55	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
56	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
57	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
58	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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59	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
59	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
60	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
61	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
62	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
63	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
64	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
65	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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66	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
66	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
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67	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
67	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
68	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-8: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
69	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016
70	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.000005	0.000005	0.00005	0.000039	0.00025	0.0015	0.0001	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	February	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	March	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	April	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	May	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	June	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	July	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	August	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	September	0.26	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	October	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	November	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-6	December	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	January	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	February	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	March	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	April	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	May	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	June	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	July	0.25	0.018	0.010	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	August	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	September	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	October	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	November	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.17
-5	December	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	January	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	February	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	March	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	April	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	May	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	June	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	July	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	August	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	September	0.25	0.018	0.0099	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	October	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	November	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-4	December	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
-3	January	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.17
-3	February	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
-3	March	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
-3	April	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
-3	May	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
-3	June	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
-3	July	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
-3	August	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
-3	September	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
-3	October	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
-3	November	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000053	0.00027	0.17
-3	December	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
-2	January	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.0000040	10	0.00026	0.000054	0.00028	0.17
-2	February	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.025	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
-2	March	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.0021	0.00001	0.005	0.0000042	10	0.00026	0.000055	0.00028	0.17
-2	April	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.18
-2	May	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000055	0.00029	0.18
-2	June	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000055	0.00029	0.18
-2	July	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18
-2	August	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.25	0.018	0.0098	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
-2	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
-2	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000056	0.0003	0.18
-2	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.031	0.000051	0.0021	0.00001	0.005	0.0000050	10	0.00026	0.000057	0.0003	0.18
-1	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.032	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00026	0.000057	0.0003	0.18
-1	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000057	0.0003	0.18
-1	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000058	0.00031	0.18
-1	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000054	10	0.00027	0.000058	0.00031	0.18
-1	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
-1	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
-1	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
-1	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
-1	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
-1	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
-1	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.037	0.000051	0.0021	0.00001	0.005	0.0000058	10	0.00027	0.000059	0.00031	0.18
-1	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0021	0.00001	0.005	0.0000059	10	0.00027	0.000059	0.00032	0.18
1	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0022	0.00001	0.005	0.0000060	10	0.00027	0.000059	0.00032	0.18
1	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.0000060	10	0.00027	0.00006	0.00032	0.18
1	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.0000061	10	0.00027	0.00006	0.00032	0.19
1	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
1	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000063	10	0.00027	0.00006	0.00032	0.19
1	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.041	0.000051	0.0022	0.00001	0.005	0.0000063	10	0.00027	0.00006	0.00033	0.19
1	December	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.041	0.000051	0.0022	0.00001	0.005	0.0000064	10	0.00027	0.000061	0.00033	0.19
2	January	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.042	0.000051	0.0022	0.00001	0.005	0.0000065	10	0.00027	0.000061	0.00033	0.19
2	February	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
2	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
2	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
2	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
2	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
2	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
2	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
2	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00028	0.000061	0.00033	0.19
2	October	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000061	0.00033	0.19
2	November	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000061	0.00033	0.19
2	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000062	0.00034	0.19
3	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000062	0.00034	0.19
3	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	March	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	April	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
3	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
3	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
3	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	September	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
3	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
3	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
4	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.000063	0.00034	0.19
4	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00034	0.19
4	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00035	0.19
4	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19
4	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19
4	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00034	0.19
4	August	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.000063	0.00034	0.19
4	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00034	0.19
4	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00034	0.19
4	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00035	0.19
4	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19
5	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000063	0.00035	0.19
5	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000064	0.00035	0.19
5	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
5	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
5	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
5	June	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
5	July	0.25	0.018	0.0097	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000063	0.00035	0.19
5	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000063	0.00035	0.19
5	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000063	0.00035	0.19
5	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000052	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000063	0.00035	0.19
5	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000075	10	0.00028	0.000064	0.00035	0.19
5	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
6	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
6	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
6	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
6	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
6	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
6	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
6	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
6	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
6	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
6	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
6	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0022	0.00001	0.005	0.0000077	10	0.00028	0.000064	0.00035	0.19
6	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
7	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
7	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
7	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
7	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
7	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
7	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
7	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
7	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
7	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
7	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
7	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
7	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
8	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
8	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
8	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
8	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
8	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
8	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
8	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
8	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
8	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000078	10	0.00028	0.000064	0.00036	0.19
8	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.052	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000064	0.00036	0.19
8	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
8	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
9	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
9	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
9	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
9	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
9	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
9	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
9	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
9	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000079	10	0.00028	0.000065	0.00036	0.2
9	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
9	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
9	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
10	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
10	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
10	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
10	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
10	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
10	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
10	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
10	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
10	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
10	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
10	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
10	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
11	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
11	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
11	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
11	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
11	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
11	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
11	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
11	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
11	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
11	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
11	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
11	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
12	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
12	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
12	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
12	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
12	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
12	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
12	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
12	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
12	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
12	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
12	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
12	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
13	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
13	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
13	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
13	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
13	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
13	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
13	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
13	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
13	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
13	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
13	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
14	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
14	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
14	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
14	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
14	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
14	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
14	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
14	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
14	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
14	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
14	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
14	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
15	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
15	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
15	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
15	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
15	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
15	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
15	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
15	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
15	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00029	0.000065	0.00036	0.2
15	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
15	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
15	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
16	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
16	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
16	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
16	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
16	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
16	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
16	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
17	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
17	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
17	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
17	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
17	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
17	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
17	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
17	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
17	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
17	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
17	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
17	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
18	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
18	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
18	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
18	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
18	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
18	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
18	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
18	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
18	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
18	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
18	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
19	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
19	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
19	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
19	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
19	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
19	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
19	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
19	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
19	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
19	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
19	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
19	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
20	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
20	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
20	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
20	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
20	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
20	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
20	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
20	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
20	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
20	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
20	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
20	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
21	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
21	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
21	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
21	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
21	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
21	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
21	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
21	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
21	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
21	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
21	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
21	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
22	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
22	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
22	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
22	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
22	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
22	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
22	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
22	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
22	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
22	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
22	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
22	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
23	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
23	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
23	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
23	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
23	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
23	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
23	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
23	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
23	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
23	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
23	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
24	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
24	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
24	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
24	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
24	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
24	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
24	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
24	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
24	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
24	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
24	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
24	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
25	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
25	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
25	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
25	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
25	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
25	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
25	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
25	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
25	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
25	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
25	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
25	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
26	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00037	0.2
26	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
26	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
26	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
26	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.057	0.000052	0.0023	0.000011	0.005	0.0000085	10	0.00029	0.000066	0.00037	0.2
26	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.056	0.000052	0.0023	0.000011	0.005	0.0000084	10	0.00029	0.000066	0.00037	0.2
26	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
26	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
26	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
26	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
26	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000065	0.00036	0.2
26	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
27	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000083	10	0.00029	0.000066	0.00036	0.2
27	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.055	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
27	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000082	10	0.00029	0.000065	0.00036	0.2
27	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.054	0.000052	0.0023	0.000011	0.005	0.0000081	10	0.00028	0.000065	0.00036	0.2
27	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.053	0.000052	0.0023	0.000011	0.005	0.0000080	10	0.00028	0.000065	0.00036	0.2
27	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.051	0.000052	0.0023	0.00001	0.005	0.0000078	10	0.00028	0.000064	0.00035	0.19
27	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.05	0.000052	0.0022	0.00001	0.005	0.0000076	10	0.00028	0.000064	0.00035	0.19
27	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.049	0.000051	0.0022	0.00001	0.005	0.0000074	10	0.00028	0.000063	0.00035	0.19

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.048	0.000051	0.0022	0.00001	0.005	0.0000073	10	0.00028	0.000063	0.00035	0.19
27	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.000063	0.00034	0.19
27	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.047	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
27	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000062	0.00034	0.19
28	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
28	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.046	0.000051	0.0022	0.00001	0.005	0.0000070	10	0.00028	0.000062	0.00034	0.19
28	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000062	0.00034	0.19
28	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.045	0.000051	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000062	0.00034	0.19
28	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.044	0.000051	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000061	0.00033	0.19
28	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.043	0.000051	0.0022	0.00001	0.005	0.0000066	10	0.00027	0.000061	0.00033	0.19
28	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.042	0.000051	0.0022	0.00001	0.005	0.0000064	10	0.00027	0.000061	0.00033	0.19
28	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.041	0.000051	0.0022	0.00001	0.005	0.0000063	10	0.00027	0.00006	0.00033	0.19
28	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000063	10	0.00027	0.00006	0.00032	0.19
28	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.04	0.000051	0.0022	0.00001	0.005	0.0000062	10	0.00027	0.00006	0.00032	0.19
28	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.0000061	10	0.00027	0.00006	0.00032	0.18
28	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.0000061	10	0.00027	0.00006	0.00032	0.18
29	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.039	0.000051	0.0022	0.00001	0.005	0.0000060	10	0.00027	0.000059	0.00032	0.18
29	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0022	0.00001	0.005	0.0000060	10	0.00027	0.000059	0.00032	0.18
29	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0022	0.00001	0.005	0.0000060	10	0.00027	0.000059	0.00032	0.18
29	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.038	0.000051	0.0021	0.00001	0.005	0.0000059	10	0.00027	0.000059	0.00032	0.18
29	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.037	0.000051	0.0021	0.00001	0.005	0.0000058	10	0.00027	0.000059	0.00032	0.18
29	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.036	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000059	0.00031	0.18
29	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000058	0.00031	0.18
29	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.035	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000058	0.00031	0.18
29	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000054	10	0.00027	0.000058	0.00031	0.18
29	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000054	10	0.00027	0.000058	0.00031	0.18
29	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.034	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000058	0.00031	0.18
29	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000058	0.00031	0.18
30	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000057	0.0003	0.18
30	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000057	0.0003	0.18
30	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.033	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000057	0.0003	0.18
30	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.032	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00026	0.000057	0.0003	0.18
30	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.032	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00026	0.000057	0.0003	0.18
30	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.031	0.000051	0.0021	0.00001	0.005	0.0000050	10	0.00026	0.000057	0.0003	0.18
30	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000049	10	0.00026	0.000056	0.0003	0.18
30	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
30	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.03	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00026	0.000056	0.0003	0.18
30	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
30	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
30	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
31	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.029	0.000051	0.0021	0.00001	0.005	0.0000047	10	0.00026	0.000056	0.00029	0.18
31	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18
31	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18
31	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00026	0.000056	0.00029	0.18
31	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.028	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000055	0.00029	0.18
31	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00026	0.000055	0.00029	0.18
31	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.027	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000055	0.00029	0.17
31	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
31	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00029	0.17
31	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.026	0.000051	0.0021	0.00001	0.005	0.0000043	10	0.00026	0.000055	0.00028	0.17
31	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.0021	0.00001	0.005	0.0000042	10	0.00026	0.000055	0.00028	0.17
31	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.0021	0.00001	0.005	0.0000042	10	0.00026	0.000055	0.00028	0.17
32	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.002	0.00001	0.005	0.0000042	10	0.00026	0.000055	0.00028	0.17
32	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.000051	0.002	0.00001	0.005	0.0000042	10	0.00026	0.000054	0.00028	0.17
32	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
32	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.025	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.0000041	10	0.00026	0.000054	0.00028	0.17
32	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.0000040	10	0.00026	0.000054	0.00028	0.17
32	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.024	0.00005	0.002	0.00001	0.005	0.0000040	10	0.00026	0.000054	0.00028	0.17
32	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
32	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
32	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.000054	0.00028	0.17
32	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
32	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.023	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
33	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000054	0.00028	0.17
33	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000053	0.00028	0.17
33	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000053	0.00028	0.17
33	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000053	0.00028	0.17
33	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000053	0.00027	0.17
33	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.022	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00025	0.000053	0.00027	0.17
33	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.021	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00025	0.000053	0.00027	0.17
33	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000035	10	0.00025	0.000053	0.00027	0.17
34	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.02	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00025	0.000052	0.00027	0.17
34	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
34	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
34	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.019	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00027	0.17
35	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00025	0.000052	0.00026	0.17
35	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00025	0.000052	0.00026	0.17
35	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.018	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
35	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00025	0.000052	0.00026	0.17
36	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
36	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
36	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
36	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
36	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.017	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
36	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
37	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
37	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
37	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
37	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000030	10	0.00025	0.000051	0.00026	0.17
37	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
37	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.016	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000051	0.00026	0.17
38	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
38	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00026	0.17
39	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000051	0.00025	0.17
39	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
39	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.015	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.17
40	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000051	0.00025	0.16
40	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.00005	0.00025	0.16
41	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
41	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
41	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
42	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.014	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
43	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
44	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
45	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16
46	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000026	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
46	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
47	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
48	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
49	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
50	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
51	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
52	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
53	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
54	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
55	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
56	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
57	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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57	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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58	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
58	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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59	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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59	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
59	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
60	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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60	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
61	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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61	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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62	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
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62	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
62	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
63	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
64	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
65	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
66	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
67	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
68	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
69	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	January	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	February	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	March	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	April	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	May	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	June	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	July	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	August	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	September	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	October	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	November	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16
70	December	0.25	0.018	0.0096	0.0005	0.017	0.64	0.0005	0.013	0.00005	0.002	0.00001	0.005	0.0000025	10	0.00025	0.00005	0.00025	0.16

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000077	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-6	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-5	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	January	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	February	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	March	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	April	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	May	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	June	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	July	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	August	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	September	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	October	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	November	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-4	December	0.000025	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-3	January	0.000027	2.3	0.011	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-3	February	0.000032	2.3	0.011	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
-3	March	0.000036	2.3	0.011	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
-3	April	0.000041	2.3	0.011	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
-3	May	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
-3	June	0.00005	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
-3	July	0.000053	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
-3	August	0.000056	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
-3	September	0.000059	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
-3	October	0.000063	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00011	0.00016
-3	November	0.000068	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-3	December	0.000072	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-2	January	0.000076	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
-2	February	0.00008	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
-2	March	0.000084	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
-2	April	0.000088	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
-2	May	0.000092	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
-2	June	0.000094	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
-2	July	0.000096	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
-2	August	0.000097	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	October	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	November	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-2	December	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-1	January	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
-1	February	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00014	0.00016
-1	March	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
-1	April	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	May	0.00013	2.3	0.012	0.00000059	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	June	0.00013	2.3	0.012	0.00000059	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	July	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	August	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	September	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	October	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	November	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
-1	December	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00014	0.00016
1	January	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	February	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	March	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	April	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	May	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	June	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	July	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	August	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	September	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	October	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	November	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
1	December	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
2	January	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0022	0.00015	0.00016
2	February	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
2	March	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
2	April	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
2	May	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
2	June	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
2	July	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
2	August	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
2	September	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
2	October	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
2	November	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
2	December	0.00017	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	January	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	February	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	March	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	April	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
3	May	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
3	June	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
3	July	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	August	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	September	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	October	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
3	November	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
3	December	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	January	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	February	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	March	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	April	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	June	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	July	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	August	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	September	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	October	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	November	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
4	December	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
5	January	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	February	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	March	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	April	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
5	May	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
5	June	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	July	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	August	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	September	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	October	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	November	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
5	December	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
6	January	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	February	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	March	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	April	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	May	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	June	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	July	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	August	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
6	September	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
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6	November	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
6	December	0.00021	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	January	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	February	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	March	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	April	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	May	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	June	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	July	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	August	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	September	0.00021	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	October	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	November	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
7	December	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	January	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	February	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	April	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
8	May	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
8	June	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	July	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	August	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	September	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	October	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	November	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
8	December	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
9	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
9	April	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
9	May	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
9	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
9	July	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	August	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	September	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	October	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	November	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
9	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
10	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
10	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
10	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
10	April	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
10	May	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
10	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
10	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
10	August	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
10	September	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
10	October	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
10	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
10	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
11	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
11	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
11	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
11	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
11	May	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
11	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
11	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
11	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
11	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
11	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
11	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
11	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
12	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
12	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
12	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
12	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
12	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
12	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
13	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
13	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
13	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
13	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
13	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
13	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
13	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
13	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
13	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
13	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
13	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
14	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
14	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
14	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
14	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
14	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
14	June	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
14	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
14	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
14	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
14	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
14	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
14	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
15	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
15	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
15	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
15	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
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15	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
16	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
16	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
16	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
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16	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
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17	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
17	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
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17	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
17	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
17	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
17	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	April	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
18	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
18	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
18	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
18	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
18	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
18	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
19	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
19	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
19	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
19	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
19	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	May	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
20	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
20	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
20	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
20	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
20	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
21	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
21	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
21	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
21	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
21	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
22	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
22	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
22	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
22	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
22	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
23	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
23	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
23	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
23	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
23	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
24	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
24	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
24	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
24	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
24	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	May	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
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25	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
25	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
25	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
25	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
25	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	January	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	February	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	March	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	April	0.00023	2.3	0.012	0.00000064	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
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26	June	0.00023	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	July	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	August	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
26	September	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
26	October	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
26	November	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
26	December	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
27	January	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0025	0.00018	0.00016
27	February	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000062	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00018	0.00016
27	March	0.00022	2.3	0.012	0.00000063	0.00011	0.00034	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
27	April	0.00022	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000053	0.00004	0.0003	0.0024	0.00017	0.00016
27	May	0.00021	2.3	0.012	0.00000063	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000053	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
27	June	0.00021	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000061	0.0000052	0.000052	0.00004	0.0003	0.0024	0.00017	0.00016
27	July	0.0002	2.3	0.012	0.00000062	0.00011	0.00033	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00017	0.00016
27	August	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
27	October	0.00019	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000060	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
27	November	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
27	December	0.00018	2.3	0.012	0.00000062	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0023	0.00016	0.00016
28	January	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	February	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	March	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	April	0.00018	2.3	0.012	0.00000061	0.00011	0.00032	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	May	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000059	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00016	0.00016
28	June	0.00017	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00029	0.0022	0.00015	0.00016
28	July	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0022	0.00015	0.00016
28	August	0.00016	2.3	0.012	0.00000061	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
28	September	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000058	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
28	October	0.00015	2.3	0.012	0.0000006	0.00011	0.00031	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
28	November	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
28	December	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	January	0.00015	2.3	0.012	0.0000006	0.00011	0.0003	0.75	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	February	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	March	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00015	0.00016
29	April	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000052	0.00004	0.00028	0.0021	0.00014	0.00016
29	May	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000057	0.0000052	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	June	0.00014	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	July	0.00013	2.3	0.012	0.0000006	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	August	0.00013	2.3	0.012	0.00000059	0.00011	0.0003	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	September	0.00013	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	October	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00028	0.002	0.00014	0.00016
29	November	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
29	December	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
30	January	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.002	0.00014	0.00016
30	February	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000056	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00014	0.00016
30	March	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00014	0.00016
30	April	0.00012	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00014	0.00016
30	May	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	June	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	July	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	August	0.00011	2.3	0.012	0.00000059	0.00011	0.00029	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	September	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	October	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000055	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	November	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
30	December	0.0001	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	January	0.000099	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	February	0.000098	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0019	0.00013	0.00016
31	March	0.000097	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	April	0.000097	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	May	0.000095	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	June	0.000092	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000077	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00013	0.00016
31	July	0.00009	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	August	0.000088	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	September	0.000086	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	October	0.000085	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000054	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	November	0.000084	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00027	0.0018	0.00012	0.00016
31	December	0.000084	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	January	0.000083	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	February	0.000082	2.3	0.012	0.00000058	0.00011	0.00028	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	March	0.000082	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	April	0.000081	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00008	2.3	0.012	0.00000058	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	June	0.000077	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0018	0.00012	0.00016
32	July	0.000075	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	August	0.000074	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	September	0.000073	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	October	0.000072	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	November	0.000071	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
32	December	0.000071	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	January	0.00007	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	February	0.00007	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	March	0.000069	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	April	0.000069	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000053	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	May	0.000068	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	June	0.000066	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	July	0.000064	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.000051	0.00004	0.00026	0.0017	0.00012	0.00016
33	August	0.000063	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
33	September	0.000062	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000051	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
33	October	0.000062	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
33	November	0.000061	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
33	December	0.000061	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	January	0.00006	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	February	0.00006	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	March	0.000059	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	April	0.000059	2.3	0.012	0.00000057	0.00011	0.00027	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	May	0.000058	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	June	0.000057	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0017	0.00011	0.00016
34	July	0.000056	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	August	0.000055	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	September	0.000054	2.3	0.012	0.00000057	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.00004	0.00026	0.0016	0.00011	0.00016
34	October	0.000054	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
34	November	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
34	December	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	January	0.000053	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	February	0.000052	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	March	0.000052	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	April	0.000052	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	May	0.000051	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000052	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	June	0.00005	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	July	0.000049	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	August	0.000048	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	September	0.000048	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	October	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	November	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
35	December	0.000047	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	January	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	February	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	March	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	April	0.000046	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	May	0.000045	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00026	0.0016	0.00011	0.00016
36	June	0.000044	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	July	0.000044	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	August	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	September	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	October	0.000043	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	November	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
36	December	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	February	0.000042	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	March	0.000041	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	April	0.000041	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	May	0.000041	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	June	0.00004	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	July	0.00004	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	August	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	September	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	October	0.000039	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	November	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
37	December	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
38	January	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00011	0.00016
38	February	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	March	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	April	0.000038	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	May	0.000037	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	June	0.000037	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	July	0.000036	2.3	0.012	0.00000056	0.00011	0.00026	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	August	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	September	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	October	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	November	0.000036	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0016	0.00010	0.00016
38	December	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	January	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	February	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	March	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	April	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	May	0.000035	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	June	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	July	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	August	0.000034	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000051	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	September	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	October	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	November	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
39	December	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	January	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	February	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	March	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	April	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	May	0.000033	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	June	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	July	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	August	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	September	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	October	0.000032	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	November	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
40	December	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	January	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	February	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	March	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	April	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	May	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	June	0.000031	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	July	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	August	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	October	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	November	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
41	December	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	January	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	February	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	March	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	April	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	May	0.00003	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	June	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	July	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	August	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	September	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	October	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	November	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
42	December	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	January	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	February	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	March	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	April	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	May	0.000029	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	June	0.000028	2.3	0.012	0.00000056	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	July	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	August	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	September	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	October	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	November	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
43	December	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	January	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	February	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	March	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	April	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	May	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	June	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	July	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	August	0.000028	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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44	November	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
44	December	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	January	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	February	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	March	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	April	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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45	July	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	August	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	October	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	November	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
45	December	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	January	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	February	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	March	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	April	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	June	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	July	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	August	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	September	0.000027	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	October	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
46	November	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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47	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
47	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
47	March	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
47	April	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
47	May	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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48	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
48	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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50	July	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
50	August	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
50	September	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
50	October	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
50	November	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
50	December	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	February	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	March	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	April	0.000026	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
51	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
52	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
53	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
54	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
55	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
56	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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57	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
57	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
58	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
59	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
60	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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61	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
61	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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61	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
61	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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64	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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65	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
65	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
65	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
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66	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
66	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
67	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
68	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-9: Tabulated Receiver Water Quality Model Results, Base Case, Genessee Lake (GEN-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
69	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	January	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	February	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	March	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	April	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	May	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	June	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	July	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	August	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	September	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	October	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	November	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016
70	December	0.000025	2.3	0.012	0.00000055	0.00011	0.00025	0.74	0.000076	0.0000050	0.0000050	0.00005	0.000039	0.00025	0.0015	0.00010	0.00016

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.0001	0.0016	0.18
-6	February	3.0	0.048	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-6	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000095	0.0016	0.18
-6	April	3.1	0.046	0.14	0.0087	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-6	May	2.4	0.016	0.0091	0.00092	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-6	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-6	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-6	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-6	September	2.4	0.040	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-6	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-6	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00044	0.0001	0.0016	0.17
-6	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-5	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.18
-5	February	3.0	0.048	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-5	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000096	0.0016	0.18
-5	April	3.1	0.046	0.14	0.0088	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-5	May	2.4	0.016	0.0091	0.00092	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-5	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-5	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-5	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-5	September	2.4	0.040	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-5	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-5	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00044	0.0001	0.0016	0.17
-5	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-4	January	2.6	0.036	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.0001	0.0016	0.18
-4	February	3.0	0.047	0.14	0.0088	0.028	5.7	0.0028	0.063	0.00044	0.0081	0.00001	0.0051	0.0000072	12	0.00051	0.000095	0.0016	0.17
-4	March	3.1	0.046	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000096	0.0016	0.18
-4	April	3.1	0.046	0.14	0.0088	0.028	5.7	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
-4	May	2.4	0.016	0.0091	0.00092	0.022	4.8	0.00061	0.17	0.00026	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-4	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00026	0.0052	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
-4	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.25
-4	August	2.4	0.024	0.014	0.0013	0.021	5.0	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
-4	September	2.4	0.040	0.017	0.0055	0.042	4.9	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
-4	October	2.4	0.031	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00021	0.0017	0.32
-4	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00044	0.0001	0.0016	0.17
-4	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
-3	January	2.6	0.040	0.044	0.0082	0.024	5.7	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.18
-3	February	3.0	0.052	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000077	12	0.00051	0.000096	0.0016	0.18
-3	March	3.1	0.051	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.18
-3	April	3.1	0.052	0.15	0.009	0.028	5.9	0.0028	0.067	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000098	0.0016	0.18
-3	May	2.4	0.019	0.015	0.001	0.022	4.9	0.00061	0.17	0.00027	0.0053	0.00001	0.005	0.0000003	9.9	0.00053	0.00014	0.0014	0.25
-3	June	2.4	0.019	0.013	0.001	0.022	4.8	0.00062	0.17	0.00027	0.0053	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
-3	July	2.6	0.025	0.017	0.0016	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000042	10	0.0005	0.00014	0.0014	0.25
-3	August	2.4	0.028	0.02	0.0014	0.021	5.1	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.000099	0.0013	0.23
-3	September	2.4	0.044	0.024	0.0056	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000035	11	0.00038	0.00012	0.0013	0.18
-3	October	2.4	0.037	0.051	0.0061	0.056	5.0	0.0021	0.25	0.00036	0.0091	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
-3	November	2.7	0.038	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-3	December	2.6	0.038	0.042	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000077	11	0.00043	0.0001	0.0016	0.17
-2	January	2.6	0.041	0.044	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000081	11	0.00044	0.0001	0.0016	0.18
-2	February	3.0	0.053	0.15	0.009	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000077	12	0.00051	0.000096	0.0016	0.18
-2	March	3.1	0.052	0.15	0.009	0.028	5.9	0.0028	0.066	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000097	0.0016	0.18
-2	April	3.1	0.057	0.15	0.0091	0.028	6.0	0.0028	0.067	0.00045	0.0081	0.00001	0.0051	0.0000079	12	0.00052	0.000099	0.0016	0.18
-2	May	2.4	0.023	0.021	0.0012	0.022	5.0	0.00061	0.17	0.00027	0.0053	0.00001	0.0051	0.0000033	9.9	0.00053	0.00014	0.0014	0.26
-2	June	2.4	0.022	0.019	0.0012	0.022	5.0	0.00062	0.17	0.00027	0.0053	0.00001	0.0051	0.0000032	9.9	0.00053	0.00014	0.0014	0.26
-2	July	2.6	0.029	0.023	0.0017	0.033	3.9	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000044	10	0.0005	0.00014	0.0015	0.25
-2	August	2.4	0.031	0.026	0.0015	0.021	5.2	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.000099	0.0013	0.23

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	2.4	0.047	0.03	0.0057	0.042	5.1	0.0021	0.14	0.00035	0.011	0.0000096	0.0054	0.0000037	11	0.00038	0.00012	0.0013	0.18
-2	October	2.4	0.038	0.054	0.0061	0.056	5.1	0.0021	0.25	0.00036	0.0091	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
-2	November	2.7	0.038	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-2	December	2.6	0.038	0.042	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000077	11	0.00043	0.0001	0.0016	0.17
-1	January	2.6	0.038	0.041	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.0001	0.0016	0.18
-1	February	3.0	0.049	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.18
-1	March	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.066	0.00045	0.0082	0.00001	0.0051	0.0000074	12	0.00051	0.000096	0.0016	0.18
-1	April	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.067	0.00044	0.0081	0.00001	0.005	0.0000074	12	0.00051	0.000097	0.0016	0.18
-1	May	2.4	0.016	0.01	0.00094	0.022	4.8	0.00061	0.17	0.00027	0.0053	0.00001	0.005	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
-1	June	2.4	0.016	0.0095	0.00096	0.022	4.8	0.00062	0.17	0.00027	0.0053	0.00001	0.005	0.0000028	9.9	0.00053	0.00014	0.0014	0.25
-1	July	2.6	0.041	0.044	0.0021	0.033	4.3	0.0018	0.19	0.00038	0.0067	0.00001	0.0052	0.0000052	10	0.0005	0.00014	0.0015	0.25
-1	August	2.4	0.042	0.044	0.0019	0.021	5.6	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000061	8.7	0.00032	0.0001	0.0013	0.23
-1	September	2.4	0.053	0.039	0.0059	0.042	5.3	0.0021	0.14	0.00035	0.011	0.0000096	0.0054	0.0000041	11	0.00038	0.00012	0.0013	0.18
-1	October	2.4	0.044	0.064	0.0063	0.056	5.3	0.0021	0.25	0.00037	0.0091	0.000031	0.0057	0.000011	11	0.001	0.00022	0.0017	0.32
-1	November	2.7	0.037	0.041	0.0081	0.024	5.8	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
-1	December	2.6	0.036	0.038	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
1	January	2.6	0.037	0.038	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000078	11	0.00044	0.0001	0.0016	0.18
1	February	3.0	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000095	0.0016	0.18
1	March	3.1	0.055	0.15	0.0091	0.028	6.0	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.0000079	12	0.00051	0.000097	0.0016	0.18
1	April	3.2	0.110	0.25	0.011	0.028	7.2	0.003	0.066	0.0005	0.0081	0.00001	0.0054	0.00001	12	0.00051	0.00013	0.0016	0.18
1	May	2.5	0.067	0.094	0.0027	0.022	6.0	0.00079	0.16	0.00032	0.0053	0.00001	0.0053	0.0000054	10	0.00053	0.00016	0.0014	0.25
1	June	2.5	0.055	0.074	0.0023	0.022	5.8	0.00075	0.16	0.00031	0.0052	0.00001	0.0052	0.0000049	10	0.00053	0.00016	0.0014	0.25
1	July	2.6	0.061	0.077	0.0028	0.033	4.9	0.0018	0.19	0.00041	0.0067	0.00001	0.0053	0.0000064	10	0.0005	0.00015	0.0015	0.25
1	August	2.5	0.077	0.1	0.0031	0.021	6.6	0.0019	0.17	0.00041	0.0073	0.00001	0.0053	0.0000083	8.9	0.00032	0.0001	0.0013	0.23
1	September	2.5	0.095	0.11	0.0074	0.041	6.6	0.0021	0.14	0.00041	0.011	0.0000097	0.0057	0.0000068	11	0.00038	0.00012	0.0013	0.18
1	October	2.5	0.078	0.12	0.0075	0.056	6.3	0.0021	0.25	0.00041	0.009	0.000031	0.0059	0.000013	11	0.001	0.00022	0.0017	0.32
1	November	2.7	0.044	0.051	0.0084	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.17
1	December	2.6	0.044	0.051	0.0083	0.024	5.9	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.000008	11	0.00043	0.0001	0.0016	0.17
2	January	2.6	0.037	0.039	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.0001	0.0016	0.18
2	February	3.0	0.049	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000096	0.0016	0.17
2	March	3.1	0.047	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0082	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.18
2	April	3.3	0.110	0.24	0.011	0.028	8.2	0.003	0.066	0.00053	0.0081	0.00001	0.0058	0.000012	12	0.00051	0.00013	0.0016	0.18
2	May	2.6	0.068	0.096	0.0028	0.022	6.6	0.00079	0.16	0.00033	0.0053	0.00001	0.0056	0.0000066	10	0.00053	0.00017	0.0015	0.25
2	June	2.5	0.056	0.076	0.0024	0.022	6.4	0.00075	0.16	0.00032	0.0052	0.00001	0.0055	0.000006	10	0.00053	0.00016	0.0014	0.25
2	July	2.7	0.062	0.078	0.0029	0.033	5.5	0.0018	0.19	0.00043	0.0067	0.000011	0.0056	0.0000075	11	0.0005	0.00016	0.0015	0.25
2	August	2.5	0.074	0.097	0.003	0.021	7.4	0.0019	0.17	0.00043	0.0073	0.00001	0.0057	0.0000096	9	0.00032	0.00011	0.0013	0.23
2	September	2.6	0.096	0.11	0.0075	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000097	0.0061	0.0000085	11	0.00038	0.00013	0.0013	0.18
2	October	2.6	0.086	0.13	0.0078	0.056	7.5	0.0021	0.25	0.00045	0.009	0.000031	0.0064	0.000015	12	0.001	0.00022	0.0017	0.32
2	November	2.7	0.046	0.054	0.0084	0.024	6.2	0.0028	0.11	0.00042	0.0078	0.000012	0.008	0.0000084	11	0.00044	0.00011	0.0016	0.17
2	December	2.7	0.052	0.065	0.0086	0.024	6.5	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.0000091	11	0.00043	0.00011	0.0016	0.17
3	January	2.6	0.039	0.041	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.000008	11	0.00044	0.0001	0.0016	0.18
3	February	3.1	0.050	0.14	0.0089	0.028	5.9	0.0028	0.065	0.00045	0.0081	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.17
3	March	3.1	0.050	0.14	0.0089	0.028	5.9	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.0000076	12	0.00051	0.000096	0.0016	0.18
3	April	3.3	0.110	0.24	0.011	0.028	8.2	0.003	0.066	0.00053	0.0081	0.000011	0.0059	0.000013	12	0.00051	0.00013	0.0016	0.18
3	May	2.6	0.071	0.1	0.0029	0.022	6.7	0.0008	0.16	0.00033	0.0053	0.00001	0.0057	0.0000074	10	0.00053	0.00017	0.0015	0.25
3	June	2.5	0.058	0.078	0.0024	0.022	6.3	0.00076	0.16	0.00032	0.0052	0.00001	0.0056	0.0000065	10	0.00053	0.00016	0.0014	0.25
3	July	2.7	0.063	0.08	0.0029	0.033	5.5	0.0018	0.19	0.00042	0.0067	0.000011	0.0056	0.0000082	11	0.0005	0.00015	0.0015	0.25
3	August	2.6	0.076	0.1	0.0031	0.021	7.4	0.0019	0.17	0.00043	0.0073	0.00001	0.0058	0.00001	9.1	0.00032	0.00011	0.0013	0.23
3	September	2.6	0.096	0.11	0.0075	0.041	7.5	0.0021	0.14	0.00043	0.011	0.0000097	0.0062	0.0000094	11	0.00038	0.00012	0.0013	0.18
3	October	2.6	0.092	0.14	0.008	0.056	7.6	0.0021	0.25	0.00045	0.009	0.000031	0.0065	0.000016	12	0.001	0.00022	0.0017	0.32
3	November	2.7	0.050	0.061	0.0086	0.024	6.4	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.000009	11	0.00044	0.00011	0.0016	0.17
3	December	2.7	0.045	0.054	0.0083	0.024	6.2	0.0028	0.11	0.00042	0.0078	0.000012	0.008	0.0000086	11	0.00043	0.0001	0.0016	0.17
4	January	2.6	0.040	0.042	0.0082	0.024	5.8	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000081	11	0.00044	0.00011	0.0016	0.18
4	February	3.1	0.063	0.16	0.0094	0.028	6.5	0.0028	0.065	0.00047	0.0081	0.00001	0.0053	0.0000093	12	0.00051	0.000098	0.0016	0.18
4	March	3.1	0.051	0.14	0.009	0.028	6.0	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.0000077	12	0.00051	0.000097	0.0016	0.18
4	April	3.3	0.110	0.25	0.011	0.028	8.6	0.003	0.066	0.00054	0.0081	0.000011	0.0061	0.000015	12	0.00052	0.00013	0.0016	0.18

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	2.6	0.071	0.1	0.0029	0.022	6.9	0.0008	0.16	0.00034	0.0053	0.00001	0.0058	0.0000085	10	0.00053	0.00017	0.0015	0.25
4	June	2.5	0.064	0.088	0.0026	0.022	6.5	0.00078	0.16	0.00032	0.0052	0.00001	0.0057	0.0000075	10	0.00053	0.00016	0.0014	0.25
4	July	2.7	0.063	0.08	0.0029	0.033	5.7	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.0000093	11	0.0005	0.00015	0.0015	0.25
4	August	2.6	0.079	0.11	0.0032	0.021	7.8	0.0019	0.17	0.00044	0.0073	0.000011	0.006	0.000012	9.1	0.00032	0.00011	0.0013	0.23
4	September	2.6	0.097	0.11	0.0075	0.041	7.8	0.0021	0.14	0.00044	0.011	0.0000098	0.0063	0.000011	11	0.00038	0.00012	0.0013	0.18
4	October	2.6	0.092	0.14	0.008	0.056	7.9	0.0021	0.25	0.00046	0.009	0.000031	0.0067	0.000018	12	0.001	0.00022	0.0017	0.32
4	November	2.8	0.059	0.076	0.0089	0.024	6.9	0.0028	0.11	0.00044	0.0078	0.000012	0.0083	0.000011	12	0.00044	0.00011	0.0016	0.17
4	December	2.7	0.049	0.059	0.0085	0.024	6.4	0.0028	0.11	0.00043	0.0078	0.000012	0.0081	0.0000093	11	0.00043	0.00011	0.0016	0.17
5	January	2.7	0.050	0.059	0.0086	0.024	6.3	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.0000098	12	0.00044	0.00011	0.0016	0.18
5	February	3.1	0.066	0.17	0.0095	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0053	0.00001	12	0.00051	0.000099	0.0016	0.18
5	March	3.1	0.052	0.15	0.0091	0.028	6.0	0.0028	0.065	0.00045	0.0082	0.00001	0.0051	0.000008	12	0.00051	0.000098	0.0016	0.18
5	April	3.4	0.120	0.25	0.011	0.028	8.6	0.003	0.066	0.00055	0.0081	0.000011	0.006	0.000017	12	0.00052	0.00013	0.0016	0.18
5	May	2.6	0.072	0.1	0.0029	0.022	6.8	0.0008	0.16	0.00034	0.0053	0.00001	0.0058	0.0000096	10	0.00053	0.00017	0.0015	0.25
5	June	2.5	0.064	0.088	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0057	0.0000083	10	0.00053	0.00016	0.0014	0.25
5	July	2.7	0.065	0.082	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.00001	11	0.0005	0.00015	0.0015	0.25
5	August	2.6	0.080	0.11	0.0033	0.021	7.7	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.1	0.00032	0.00011	0.0013	0.23
5	September	2.6	0.097	0.11	0.0075	0.041	7.7	0.0021	0.14	0.00044	0.011	0.0000098	0.0063	0.000012	11	0.00038	0.00012	0.0013	0.18
5	October	2.7	0.094	0.15	0.0081	0.056	7.8	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
5	November	2.8	0.063	0.082	0.009	0.024	7.0	0.0028	0.11	0.00045	0.0078	0.000012	0.0083	0.000012	12	0.00044	0.00011	0.0016	0.17
5	December	2.7	0.056	0.07	0.0088	0.024	6.7	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17
6	January	2.7	0.053	0.062	0.0087	0.024	6.4	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.00001	12	0.00044	0.00011	0.0016	0.18
6	February	3.1	0.072	0.18	0.0097	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.000011	12	0.00051	0.0001	0.0016	0.18
6	March	3.1	0.063	0.16	0.0095	0.028	6.5	0.0028	0.065	0.00047	0.0082	0.00001	0.0053	0.0000098	12	0.00051	0.000099	0.0016	0.18
6	April	3.3	0.120	0.26	0.011	0.028	8.6	0.003	0.066	0.00055	0.0081	0.000011	0.006	0.000018	12	0.00052	0.00013	0.0016	0.18
6	May	2.6	0.073	0.1	0.003	0.022	6.8	0.00081	0.16	0.00034	0.0053	0.00001	0.0057	0.00001	10	0.00053	0.00017	0.0015	0.25
6	June	2.5	0.064	0.088	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0056	0.0000087	10	0.00053	0.00016	0.0014	0.25
6	July	2.7	0.066	0.084	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.000011	11	0.0005	0.00016	0.0015	0.25
6	August	2.6	0.080	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.1	0.00032	0.00011	0.0013	0.23
6	September	2.6	0.098	0.11	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000099	0.0062	0.000013	11	0.00038	0.00012	0.0013	0.18
6	October	2.6	0.094	0.15	0.0081	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
6	November	2.8	0.073	0.098	0.0094	0.024	7.4	0.0029	0.11	0.00047	0.0078	0.000012	0.0084	0.000014	12	0.00044	0.00011	0.0016	0.17
6	December	2.7	0.058	0.073	0.0088	0.024	6.7	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17
7	January	2.7	0.054	0.065	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.000011	12	0.00044	0.00011	0.0016	0.18
7	February	3.2	0.082	0.19	0.01	0.028	7.3	0.0028	0.065	0.0005	0.0081	0.00001	0.0055	0.000013	12	0.00051	0.0001	0.0016	0.18
7	March	3.2	0.068	0.17	0.0096	0.028	6.7	0.0028	0.065	0.00048	0.0082	0.00001	0.0053	0.000011	12	0.00051	0.0001	0.0016	0.18
7	April	3.4	0.120	0.26	0.011	0.028	8.7	0.003	0.066	0.00055	0.0081	0.000011	0.006	0.000019	13	0.00052	0.00013	0.0016	0.18
7	May	2.6	0.073	0.1	0.003	0.022	6.7	0.00081	0.16	0.00034	0.0053	0.00001	0.0057	0.000011	10	0.00053	0.00017	0.0015	0.25
7	June	2.6	0.065	0.089	0.0027	0.022	6.4	0.00078	0.16	0.00033	0.0052	0.00001	0.0056	0.0000092	10	0.00053	0.00016	0.0014	0.25
7	July	2.7	0.065	0.083	0.003	0.033	5.5	0.0018	0.19	0.00043	0.0067	0.000011	0.0056	0.000011	11	0.0005	0.00015	0.0015	0.25
7	August	2.6	0.081	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0058	0.000015	9.2	0.00032	0.00011	0.0013	0.23
7	September	2.6	0.099	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000099	0.0062	0.000014	11	0.00038	0.00012	0.0013	0.18
7	October	2.7	0.095	0.15	0.0081	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0065	0.000021	12	0.001	0.00022	0.0017	0.32
7	November	2.8	0.071	0.096	0.0093	0.024	7.3	0.0029	0.11	0.00047	0.0078	0.000012	0.0084	0.000014	12	0.00044	0.00011	0.0016	0.17
7	December	2.7	0.059	0.075	0.0089	0.024	6.8	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000012	12	0.00043	0.00011	0.0016	0.17
8	January	2.7	0.055	0.066	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0081	0.00001	12	0.00044	0.00011	0.0016	0.18
8	February	3.1	0.071	0.17	0.0097	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.000011	12	0.00051	0.0001	0.0016	0.17
8	March	3.2	0.082	0.19	0.01	0.028	7.3	0.0028	0.065	0.0005	0.0081	0.00001	0.0055	0.000013	12	0.00051	0.0001	0.0016	0.18
8	April	3.4	0.130	0.28	0.012	0.028	8.7	0.0031	0.066	0.00055	0.0081	0.000011	0.0061	0.000018	13	0.00052	0.00014	0.0016	0.18
8	May	2.6	0.074	0.1	0.003	0.022	6.8	0.00081	0.16	0.00034	0.0053	0.00001	0.0057	0.0000097	10	0.00053	0.00017	0.0014	0.25
8	June	2.6	0.065	0.09	0.0027	0.022	6.4	0.00078	0.16	0.00032	0.0052	0.00001	0.0056	0.0000085	10	0.00053	0.00016	0.0014	0.25
8	July	2.7	0.066	0.084	0.003	0.033	5.6	0.0018	0.19	0.00043	0.0067	0.000011	0.0057	0.000011	11	0.0005	0.00015	0.0015	0.25
8	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00044	0.0073	0.000011	0.0059	0.000014	9.2	0.00032	0.00011	0.0013	0.23
8	September	2.6	0.100	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00044	0.011	0.0000098	0.0062	0.000013	11	0.00038	0.00012	0.0013	0.18
8	October	2.7	0.096	0.15	0.0082	0.056	7.7	0.0021	0.25	0.00046	0.009	0.000031	0.0066	0.00002	12	0.001	0.00022	0.0017	0.32
8	November	2.8	0.064	0.084	0.0091	0.024	7.0	0.0028	0.11	0.00045	0.0078	0.000012	0.0083	0.000012	12	0.00044	0.00011	0.0016	0.17
8	December	2.7	0.056	0.07	0.0088	0.024	6.6	0.0028	0.11	0.00044	0.0078	0.000012	0.0082	0.000011	12	0.00043	0.00011	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	2.7	0.057	0.068	0.0088	0.024	6.6	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.18
9	February	3.1	0.073	0.18	0.0098	0.028	6.9	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.00001	12	0.00051	0.0001	0.0016	0.17
9	March	3.2	0.081	0.19	0.01	0.028	7.3	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.000011	12	0.00051	0.0001	0.0016	0.18
9	April	3.4	0.140	0.29	0.012	0.028	8.7	0.0031	0.066	0.00053	0.0081	0.000011	0.0062	0.000015	13	0.00052	0.00014	0.0017	0.18
9	May	2.6	0.075	0.11	0.0031	0.022	6.8	0.00081	0.16	0.00033	0.0053	0.00001	0.0058	0.0000077	10	0.00053	0.00017	0.0014	0.25
9	June	2.6	0.066	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
9	July	2.7	0.067	0.086	0.0031	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0057	0.0000087	11	0.0005	0.00015	0.0015	0.25
9	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.000011	9.2	0.00032	0.00011	0.0013	0.23
9	September	2.6	0.100	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000098	0.0063	0.00001	11	0.00038	0.00012	0.0013	0.18
9	October	2.7	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000017	12	0.001	0.00022	0.0017	0.32
9	November	2.7	0.058	0.073	0.0089	0.024	6.7	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.17
9	December	2.7	0.051	0.061	0.0086	0.024	6.4	0.0028	0.11	0.00042	0.0078	0.000012	0.0081	0.0000091	11	0.00043	0.00011	0.0016	0.17
10	January	2.7	0.066	0.088	0.0093	0.024	6.6	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000096	12	0.00044	0.00012	0.0016	0.18
10	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.0000095	12	0.00051	0.0001	0.0016	0.17
10	March	3.2	0.082	0.2	0.01	0.028	7.4	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.00001	12	0.00051	0.0001	0.0016	0.18
10	April	3.4	0.140	0.29	0.012	0.028	8.7	0.0031	0.066	0.00053	0.0081	0.000011	0.0062	0.000013	12	0.00052	0.00014	0.0017	0.18
10	May	2.6	0.072	0.1	0.003	0.022	6.7	0.0008	0.16	0.00032	0.0053	0.00001	0.0057	0.0000067	10	0.00053	0.00017	0.0014	0.25
10	June	2.5	0.065	0.09	0.0027	0.022	6.4	0.00078	0.16	0.00032	0.0052	0.00001	0.0057	0.0000062	10	0.00053	0.00016	0.0014	0.25
10	July	2.7	0.067	0.085	0.003	0.033	5.7	0.0018	0.19	0.00042	0.0067	0.000011	0.0057	0.0000079	11	0.0005	0.00015	0.0015	0.25
10	August	2.6	0.082	0.11	0.0033	0.021	7.7	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.00001	9.2	0.00032	0.00011	0.0013	0.23
10	September	2.6	0.100	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000097	0.0063	0.0000089	11	0.00038	0.00012	0.0013	0.18
10	October	2.6	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
10	November	2.7	0.059	0.074	0.0089	0.024	6.8	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000096	12	0.00044	0.00011	0.0016	0.17
10	December	2.7	0.054	0.066	0.0087	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000089	11	0.00043	0.00011	0.0016	0.17
11	January	2.7	0.064	0.08	0.0091	0.024	6.6	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000095	12	0.00044	0.00012	0.0016	0.18
11	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.0000095	12	0.00051	0.0001	0.0016	0.17
11	March	3.2	0.083	0.2	0.01	0.028	7.4	0.0028	0.065	0.00049	0.0081	0.00001	0.0056	0.00001	12	0.00051	0.0001	0.0016	0.18
11	April	3.4	0.140	0.29	0.012	0.028	8.7	0.0031	0.066	0.00053	0.0081	0.000011	0.0063	0.000013	12	0.00052	0.00014	0.0017	0.18
11	May	2.6	0.072	0.1	0.003	0.022	6.7	0.0008	0.16	0.00032	0.0053	0.00001	0.0058	0.0000066	10	0.00053	0.00017	0.0014	0.25
11	June	2.5	0.065	0.09	0.0027	0.022	6.4	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000061	10	0.00053	0.00016	0.0014	0.25
11	July	2.7	0.066	0.084	0.003	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.0000078	11	0.0005	0.00015	0.0015	0.25
11	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.00001	9.1	0.00032	0.00011	0.0013	0.23
11	September	2.6	0.100	0.12	0.0076	0.041	7.7	0.0021	0.14	0.00042	0.011	0.0000097	0.0064	0.0000088	11	0.00038	0.00012	0.0013	0.18
11	October	2.6	0.096	0.15	0.0082	0.056	7.8	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
11	November	2.7	0.059	0.075	0.0089	0.024	6.8	0.0028	0.11	0.00043	0.0078	0.000012	0.0083	0.0000096	12	0.00044	0.00011	0.0016	0.17
11	December	2.7	0.058	0.076	0.0089	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000089	11	0.00043	0.00012	0.0016	0.17
12	January	2.7	0.056	0.068	0.0088	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.0000094	12	0.00044	0.00011	0.0016	0.18
12	February	3.1	0.073	0.18	0.0098	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.0001	0.0016	0.17
12	March	3.2	0.096	0.22	0.011	0.028	7.4	0.003	0.065	0.0005	0.0081	0.00001	0.0057	0.000011	12	0.00051	0.00012	0.0016	0.18
12	April	3.3	0.130	0.27	0.012	0.028	8.3	0.0031	0.066	0.00053	0.0081	0.000011	0.0061	0.000013	12	0.00052	0.00014	0.0017	0.18
12	May	2.6	0.074	0.1	0.003	0.022	6.7	0.00081	0.16	0.00033	0.0053	0.00001	0.0058	0.0000069	10	0.00053	0.00017	0.0014	0.25
12	June	2.5	0.065	0.09	0.0027	0.022	6.4	0.00078	0.16	0.00032	0.0052	0.00001	0.0057	0.0000062	10	0.00053	0.00016	0.0014	0.25
12	July	2.7	0.067	0.085	0.003	0.033	5.6	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.000008	11	0.0005	0.00015	0.0015	0.25
12	August	2.6	0.082	0.11	0.0033	0.021	7.6	0.0019	0.17	0.00043	0.0073	0.00001	0.006	0.00001	9.1	0.00032	0.00011	0.0013	0.23
12	September	2.6	0.100	0.12	0.0076	0.041	7.6	0.0021	0.14	0.00043	0.011	0.0000097	0.0064	0.0000089	11	0.00038	0.00012	0.0013	0.18
12	October	2.6	0.093	0.14	0.0081	0.056	7.6	0.0021	0.25	0.00045	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
12	November	2.7	0.053	0.065	0.0087	0.024	6.5	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00011	0.0016	0.17
12	December	2.7	0.063	0.082	0.009	0.024	6.6	0.0029	0.11	0.00043	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00012	0.0016	0.17
13	January	2.7	0.057	0.07	0.0089	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0082	0.0000095	12	0.00044	0.00011	0.0016	0.18
13	February	3.1	0.072	0.18	0.0098	0.028	6.8	0.0028	0.065	0.00048	0.0081	0.00001	0.0054	0.0000097	12	0.00051	0.0001	0.0016	0.17
13	March	3.2	0.080	0.19	0.01	0.028	7.0	0.0029	0.065	0.00048	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.00011	0.0016	0.18
13	April	3.4	0.140	0.29	0.012	0.028	8.5	0.0031	0.066	0.00053	0.0081	0.000011	0.0063	0.000014	12	0.00052	0.00014	0.0017	0.18
13	May	2.6	0.072	0.1	0.003	0.022	6.5	0.0008	0.16	0.00032	0.0053	0.00001	0.0058	0.0000069	10	0.00053	0.00017	0.0014	0.25
13	June	2.5	0.065	0.09	0.0027	0.022	6.3	0.00079	0.16	0.00032	0.0052	0.00001	0.0057	0.0000064	10	0.00053	0.00016	0.0014	0.25
13	July	2.7	0.067	0.086	0.0031	0.033	5.5	0.0018	0.19	0.00042	0.0067	0.000011	0.0058	0.0000082	11	0.0005	0.00015	0.0015	0.25
13	August	2.6	0.082	0.11	0.0033	0.021	7.4	0.0019	0.17	0.00042	0.0073	0.00001	0.006	0.000011	9.1	0.00032	0.00011	0.0013	0.23

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	2.6	0.100	0.12	0.0076	0.041	7.5	0.0021	0.14	0.00042	0.011	0.0000098	0.0064	0.0000093	11	0.00038	0.00012	0.0013	0.18
13	October	2.7	0.095	0.15	0.0082	0.056	7.5	0.0021	0.25	0.00044	0.009	0.000031	0.0067	0.000016	12	0.001	0.00022	0.0017	0.32
13	November	2.7	0.049	0.059	0.0086	0.024	6.3	0.0028	0.11	0.00042	0.0078	0.000012	0.0081	0.0000088	11	0.00044	0.00011	0.0016	0.17
13	December	2.7	0.056	0.069	0.0088	0.024	6.6	0.0028	0.11	0.00043	0.0078	0.000012	0.0082	0.0000095	12	0.00043	0.00011	0.0016	0.17
14	January	2.7	0.070	0.093	0.0094	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
14	February	3.1	0.073	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000098	12	0.00051	0.0001	0.0016	0.17
14	March	3.2	0.070	0.17	0.0097	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.000099	0.0016	0.18
14	April	3.3	0.130	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000013	12	0.00052	0.00014	0.0016	0.18
14	May	2.6	0.075	0.11	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000074	10	0.00053	0.00017	0.0014	0.25
14	June	2.5	0.066	0.09	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000066	10	0.00053	0.00016	0.0014	0.25
14	July	2.7	0.069	0.089	0.0031	0.033	5.1	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000084	11	0.0005	0.00016	0.0015	0.25
14	August	2.6	0.090	0.12	0.0036	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
14	September	2.6	0.110	0.14	0.0081	0.041	7.0	0.0023	0.14	0.0004	0.011	0.0000098	0.0065	0.0000097	11	0.00038	0.00015	0.0013	0.18
14	October	2.6	0.097	0.15	0.0082	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000015	12	0.001	0.00025	0.0017	0.32
14	November	2.7	0.051	0.063	0.0086	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.000009	11	0.00044	0.00011	0.0016	0.17
14	December	2.7	0.059	0.078	0.0089	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00043	0.00012	0.0016	0.17
15	January	2.7	0.059	0.073	0.0089	0.024	6.4	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.00001	12	0.00044	0.00011	0.0016	0.18
15	February	3.1	0.078	0.19	0.01	0.028	6.5	0.0029	0.065	0.00047	0.0081	0.00001	0.0054	0.0000096	12	0.00051	0.00011	0.0016	0.17
15	March	3.2	0.073	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
15	April	3.3	0.130	0.28	0.012	0.028	7.8	0.0031	0.066	0.00051	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
15	May	2.6	0.074	0.1	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000075	10	0.00053	0.00017	0.0014	0.25
15	June	2.5	0.066	0.09	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000068	10	0.00053	0.00016	0.0014	0.25
15	July	2.7	0.066	0.084	0.003	0.033	5.1	0.0018	0.19	0.00041	0.0067	0.000011	0.0058	0.0000086	11	0.0005	0.00015	0.0015	0.25
15	August	2.6	0.090	0.12	0.0036	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
15	September	2.6	0.110	0.14	0.0081	0.041	7.0	0.0023	0.14	0.0004	0.011	0.0000098	0.0064	0.0000099	11	0.00038	0.00015	0.0013	0.18
15	October	2.6	0.100	0.15	0.0083	0.056	6.7	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000015	12	0.001	0.00025	0.0017	0.32
15	November	2.7	0.050	0.06	0.0086	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000089	11	0.00044	0.00011	0.0016	0.17
15	December	2.7	0.056	0.069	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00043	0.00011	0.0016	0.17
16	January	2.7	0.064	0.081	0.0091	0.024	6.3	0.0029	0.11	0.00042	0.0077	0.000012	0.0082	0.0000098	12	0.00044	0.00012	0.0016	0.18
16	February	3.1	0.074	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.000099	0.0016	0.17
16	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.00012	0.0016	0.18
16	April	3.3	0.130	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
16	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000075	10	0.00053	0.00017	0.0014	0.25
16	June	2.5	0.066	0.091	0.0027	0.022	5.9	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000067	10	0.00053	0.00016	0.0014	0.25
16	July	2.7	0.067	0.086	0.0031	0.033	5.1	0.0018	0.19	0.0004	0.0067	0.000011	0.0058	0.0000085	11	0.0005	0.00015	0.0015	0.25
16	August	2.6	0.091	0.12	0.0037	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.00001	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
16	September	2.6	0.110	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0064	0.0000097	11	0.00038	0.00015	0.0013	0.18
16	October	2.6	0.100	0.16	0.0084	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000015	12	0.001	0.00025	0.0017	0.32
16	November	2.7	0.052	0.063	0.0087	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0081	0.0000091	11	0.00044	0.00011	0.0016	0.17
16	December	2.7	0.061	0.081	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00043	0.00012	0.0016	0.17
17	January	2.7	0.058	0.07	0.0089	0.024	6.3	0.0028	0.11	0.00042	0.0077	0.000012	0.0082	0.0000098	12	0.00044	0.00011	0.0016	0.18
17	February	3.1	0.087	0.21	0.01	0.028	6.6	0.003	0.065	0.00047	0.0081	0.00001	0.0056	0.00001	12	0.00051	0.00012	0.0016	0.17
17	March	3.2	0.073	0.18	0.0099	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
17	April	3.3	0.130	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0063	0.000014	12	0.00052	0.00014	0.0016	0.18
17	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000076	10	0.00053	0.00017	0.0014	0.25
17	June	2.5	0.066	0.09	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000068	10	0.00053	0.00016	0.0014	0.25
17	July	2.7	0.067	0.087	0.0031	0.033	5.1	0.0018	0.19	0.0004	0.0067	0.000011	0.0058	0.0000086	11	0.0005	0.00015	0.0015	0.25
17	August	2.6	0.091	0.12	0.0037	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.00001	0.0062	0.000011	9.1	0.00032	0.00012	0.0013	0.23
17	September	2.6	0.120	0.14	0.0082	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
17	October	2.6	0.100	0.16	0.0084	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
17	November	2.7	0.053	0.064	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000092	11	0.00044	0.00011	0.0016	0.17
17	December	2.7	0.060	0.079	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00012	0.0016	0.17
18	January	2.7	0.061	0.075	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0077	0.000012	0.0082	0.0000099	12	0.00044	0.00011	0.0016	0.18
18	February	3.1	0.086	0.2	0.01	0.028	6.6	0.003	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.00011	0.0016	0.18
18	March	3.2	0.073	0.18	0.0098	0.028	6.6	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.0000099	12	0.00051	0.0001	0.0016	0.18
18	April	3.3	0.130	0.28	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0058	0.0000077	10	0.00053	0.00017	0.0014	0.25
18	June	2.5	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
18	July	2.7	0.069	0.09	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000087	11	0.0005	0.00016	0.0015	0.25
18	August	2.6	0.090	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000011	9.1	0.00032	0.00012	0.0013	0.23
18	September	2.6	0.110	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0064	0.00001	11	0.00038	0.00015	0.0013	0.18
18	October	2.6	0.099	0.15	0.0083	0.056	6.6	0.0023	0.25	0.00041	0.009	0.000031	0.0066	0.000016	12	0.001	0.00025	0.0017	0.32
18	November	2.7	0.060	0.078	0.009	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00044	0.00012	0.0016	0.17
18	December	2.7	0.056	0.069	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
19	January	2.7	0.068	0.087	0.0092	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
19	February	3.1	0.075	0.18	0.0098	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.0001	0.0016	0.18
19	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
19	April	3.3	0.130	0.27	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
19	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000078	10	0.00053	0.00017	0.0014	0.25
19	June	2.5	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
19	July	2.7	0.069	0.089	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000087	11	0.0005	0.00016	0.0015	0.25
19	August	2.6	0.090	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000012	9.1	0.00032	0.00012	0.0013	0.23
19	September	2.6	0.110	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
19	October	2.6	0.100	0.16	0.0084	0.056	6.7	0.0023	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
19	November	2.7	0.058	0.075	0.0089	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00012	0.0016	0.17
19	December	2.7	0.055	0.068	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
20	January	2.7	0.068	0.087	0.0092	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
20	February	3.1	0.077	0.18	0.0099	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00051	0.0001	0.0016	0.18
20	March	3.2	0.084	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
20	April	3.3	0.130	0.27	0.012	0.028	7.6	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00014	0.0016	0.18
20	May	2.6	0.075	0.11	0.0031	0.022	6.2	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000078	10	0.00053	0.00017	0.0014	0.25
20	June	2.5	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000069	10	0.00053	0.00016	0.0014	0.25
20	July	2.7	0.068	0.088	0.0031	0.033	5.1	0.0019	0.19	0.0004	0.0067	0.000011	0.0058	0.0000087	11	0.0005	0.00015	0.0015	0.25
20	August	2.6	0.090	0.12	0.0036	0.021	6.9	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.1	0.00032	0.00012	0.0013	0.23
20	September	2.6	0.110	0.14	0.0081	0.041	6.9	0.0024	0.14	0.0004	0.011	0.0000098	0.0065	0.00001	11	0.00038	0.00015	0.0013	0.18
20	October	2.6	0.100	0.16	0.0085	0.056	6.7	0.0024	0.25	0.00041	0.009	0.000031	0.0067	0.000016	12	0.001	0.00025	0.0017	0.32
20	November	2.7	0.057	0.075	0.0089	0.024	6.2	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000091	11	0.00044	0.00012	0.0016	0.17
20	December	2.7	0.053	0.064	0.0087	0.024	6.3	0.0028	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00043	0.00011	0.0016	0.17
21	January	2.7	0.068	0.091	0.0093	0.024	6.4	0.0029	0.11	0.00042	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
21	February	3.1	0.075	0.18	0.0099	0.028	6.7	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.000011	12	0.00051	0.0001	0.0016	0.18
21	March	3.2	0.087	0.21	0.01	0.028	6.7	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00012	0.0016	0.18
21	April	3.3	0.130	0.27	0.012	0.028	7.7	0.0031	0.066	0.0005	0.0081	0.000011	0.0062	0.000014	12	0.00052	0.00013	0.0016	0.18
21	May	2.6	0.075	0.11	0.0031	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000083	10	0.00053	0.00017	0.0014	0.25
21	June	2.5	0.066	0.091	0.0027	0.022	6.1	0.00079	0.16	0.00031	0.0052	0.00001	0.0057	0.0000073	10	0.00053	0.00016	0.0014	0.25
21	July	2.7	0.068	0.088	0.0031	0.033	5.2	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000092	11	0.0005	0.00015	0.0015	0.25
21	August	2.6	0.090	0.12	0.0036	0.021	7.1	0.0021	0.17	0.00041	0.0073	0.000011	0.0061	0.000012	9.1	0.00032	0.00012	0.0013	0.23
21	September	2.6	0.110	0.14	0.0081	0.041	7.1	0.0024	0.14	0.00041	0.011	0.0000098	0.0065	0.000011	11	0.00038	0.00015	0.0013	0.18
21	October	2.6	0.110	0.16	0.0085	0.055	6.8	0.0024	0.25	0.00041	0.009	0.000031	0.0067	0.000017	12	0.001	0.00025	0.0017	0.32
21	November	2.7	0.058	0.073	0.0089	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000093	11	0.00044	0.00011	0.0016	0.17
21	December	2.7	0.056	0.07	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000095	11	0.00043	0.00011	0.0016	0.17
22	January	2.7	0.071	0.094	0.0094	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.000011	12	0.00044	0.00012	0.0016	0.18
22	February	3.1	0.065	0.16	0.0095	0.028	6.3	0.0028	0.065	0.00046	0.0081	0.00001	0.0053	0.0000093	12	0.00051	0.000099	0.0016	0.18
22	March	3.2	0.082	0.2	0.01	0.028	6.6	0.0029	0.065	0.00047	0.0081	0.00001	0.0055	0.00001	12	0.00052	0.00011	0.0016	0.18
22	April	3.3	0.140	0.29	0.012	0.028	7.8	0.0031	0.066	0.0005	0.0081	0.000011	0.0063	0.000015	12	0.00052	0.00014	0.0016	0.18
22	May	2.6	0.074	0.1	0.003	0.022	6.3	0.00081	0.16	0.00031	0.0053	0.00001	0.0059	0.0000081	10	0.00053	0.00017	0.0014	0.26
22	June	2.6	0.066	0.091	0.0027	0.022	6.0	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000073	10	0.00053	0.00016	0.0014	0.26
22	July	2.7	0.067	0.087	0.0031	0.033	5.1	0.0018	0.19	0.0004	0.0067	0.000011	0.0058	0.0000092	11	0.0005	0.00015	0.0015	0.25
22	August	2.6	0.092	0.13	0.0037	0.021	7.0	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.2	0.00032	0.00012	0.0013	0.23
22	September	2.6	0.120	0.14	0.0082	0.041	7.0	0.0024	0.14	0.0004	0.011	0.0000099	0.0065	0.000011	11	0.00038	0.00015	0.0013	0.18
22	October	2.6	0.110	0.16	0.0085	0.056	6.9	0.0024	0.25	0.00041	0.009	0.000031	0.0068	0.000017	12	0.001	0.00025	0.0017	0.32
22	November	2.7	0.054	0.067	0.0087	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000094	11	0.00044	0.00011	0.0016	0.17
22	December	2.7	0.051	0.068	0.0088	0.024	6.1	0.0029	0.11	0.00041	0.0078	0.000012	0.0081	0.0000087	11	0.00043	0.00011	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	2.7	0.060	0.074	0.009	0.024	6.5	0.0028	0.11	0.00043	0.0077	0.000012	0.0082	0.00001	12	0.00044	0.00011	0.0016	0.18
23	February	3.1	0.088	0.2	0.01	0.028	6.8	0.003	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00011	0.0016	0.18
23	March	3.2	0.076	0.18	0.0099	0.028	6.8	0.0028	0.065	0.00047	0.0081	0.00001	0.0055	0.000011	12	0.00052	0.0001	0.0016	0.18
23	April	3.3	0.130	0.28	0.012	0.028	8.1	0.0031	0.066	0.00051	0.0081	0.000011	0.0062	0.000015	12	0.00052	0.00014	0.0016	0.19
23	May	2.6	0.072	0.1	0.003	0.022	6.3	0.0008	0.16	0.00031	0.0053	0.00001	0.0058	0.0000078	10	0.00053	0.00017	0.0014	0.26
23	June	2.5	0.066	0.091	0.0027	0.022	6.1	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000073	10	0.00053	0.00016	0.0014	0.26
23	July	2.7	0.071	0.093	0.0032	0.033	5.3	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000092	11	0.0005	0.00016	0.0015	0.25
23	August	2.6	0.091	0.12	0.0036	0.021	7.2	0.0021	0.17	0.0004	0.0073	0.000011	0.0061	0.000012	9.1	0.00033	0.00012	0.0013	0.23
23	September	2.6	0.110	0.14	0.0081	0.041	7.2	0.0023	0.14	0.0004	0.011	0.0000099	0.0064	0.000011	11	0.00039	0.00015	0.0013	0.19
23	October	2.6	0.110	0.16	0.0085	0.056	7.0	0.0024	0.25	0.00041	0.009	0.000031	0.0067	0.000017	12	0.001	0.00025	0.0017	0.33
23	November	2.7	0.057	0.071	0.0088	0.024	6.3	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000095	11	0.00044	0.00011	0.0016	0.17
23	December	2.7	0.047	0.057	0.0085	0.024	6.0	0.0029	0.11	0.00041	0.0078	0.000012	0.008	0.0000084	11	0.00043	0.00011	0.0016	0.17
24	January	2.7	0.066	0.084	0.0092	0.024	6.5	0.0029	0.11	0.00043	0.0077	0.000012	0.0083	0.00001	12	0.00044	0.00012	0.0016	0.18
24	February	3.2	0.081	0.19	0.01	0.028	6.8	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00011	0.0016	0.18
24	March	3.2	0.087	0.2	0.01	0.028	6.9	0.0029	0.065	0.00047	0.0081	0.00001	0.0056	0.000011	12	0.00052	0.00012	0.0016	0.18
24	April	3.3	0.130	0.28	0.012	0.028	8.1	0.0031	0.067	0.00051	0.0081	0.000011	0.0063	0.000015	12	0.00053	0.00014	0.0016	0.19
24	May	2.6	0.072	0.1	0.003	0.022	6.4	0.0008	0.17	0.00031	0.0053	0.00001	0.0058	0.0000079	10	0.00054	0.00017	0.0014	0.26
24	June	2.5	0.066	0.091	0.0027	0.022	6.2	0.00079	0.16	0.0003	0.0052	0.00001	0.0057	0.0000073	10	0.00054	0.00016	0.0014	0.26
24	July	2.7	0.070	0.09	0.0032	0.033	5.3	0.0019	0.19	0.00041	0.0067	0.000011	0.0058	0.0000092	11	0.00051	0.00016	0.0015	0.25
24	August	2.6	0.090	0.12	0.0036	0.021	7.3	0.0021	0.17	0.0004	0.0073	0.000011	0.0062	0.000012	9.1	0.00033	0.00012	0.0013	0.24
24	September	2.6	0.110	0.14	0.0081	0.041	7.3	0.0023	0.14	0.0004	0.011	0.00001	0.0065	0.000011	11	0.00039	0.00015	0.0013	0.19
24	October	2.6	0.110	0.17	0.0085	0.056	7.1	0.0024	0.25	0.00042	0.009	0.000031	0.0068	0.000017	12	0.001	0.00025	0.0017	0.33
24	November	2.7	0.060	0.079	0.009	0.024	6.4	0.0029	0.11	0.00042	0.0078	0.000012	0.0082	0.0000095	11	0.00044	0.00012	0.0016	0.18
24	December	2.7	0.044	0.05	0.0084	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.008	0.0000084	11	0.00043	0.00011	0.0016	0.17
25	January	2.7	0.074	0.099	0.0095	0.024	6.7	0.0029	0.11	0.00042	0.0077	0.000012	0.0084	0.000012	12	0.00045	0.00012	0.0016	0.19
25	February	3.1	0.076	0.18	0.0099	0.028	6.8	0.0028	0.067	0.00046	0.0081	0.000011	0.0055	0.000012	12	0.00052	0.0001	0.0016	0.18
25	March	3.1	0.076	0.19	0.01	0.028	6.6	0.0029	0.067	0.00046	0.0081	0.000011	0.0054	0.000011	12	0.00052	0.00011	0.0016	0.19
25	April	3.3	0.130	0.27	0.012	0.028	8.1	0.0031	0.071	0.00048	0.0081	0.000011	0.0062	0.000017	12	0.00053	0.00013	0.0017	0.2
25	May	2.6	0.076	0.11	0.0031	0.022	6.6	0.00082	0.17	0.00029	0.0053	0.000011	0.0059	0.000011	10	0.00054	0.00017	0.0015	0.27
25	June	2.5	0.067	0.092	0.0028	0.022	6.3	0.00079	0.17	0.00029	0.0052	0.000011	0.0058	0.0000095	10	0.00054	0.00016	0.0014	0.27
25	July	2.7	0.081	0.11	0.0036	0.033	5.5	0.002	0.2	0.00039	0.0067	0.000011	0.0059	0.000012	11	0.00051	0.00017	0.0015	0.26
25	August	2.6	0.110	0.15	0.0042	0.021	7.5	0.0021	0.17	0.00038	0.0073	0.000011	0.0063	0.000016	9	0.00034	0.00014	0.0013	0.25
25	September	2.6	0.120	0.16	0.0085	0.041	7.5	0.0024	0.14	0.00038	0.011	0.000011	0.0066	0.000015	11	0.0004	0.00016	0.0013	0.2
25	October	2.6	0.100	0.16	0.0084	0.056	6.9	0.0024	0.25	0.00038	0.009	0.000032	0.0067	0.000018	11	0.001	0.00025	0.0017	0.34
25	November	2.7	0.061	0.087	0.0095	0.024	6.3	0.003	0.11	0.00041	0.0078	0.000012	0.0082	0.00001	11	0.00045	0.00012	0.0016	0.18
25	December	2.7	0.060	0.077	0.009	0.024	6.5	0.0029	0.11	0.00041	0.0078	0.000012	0.0082	0.000011	11	0.00044	0.00012	0.0016	0.18
26	January	2.7	0.060	0.082	0.0091	0.024	6.3	0.0029	0.11	0.00041	0.0077	0.000012	0.0082	0.000011	11	0.00044	0.00012	0.0016	0.18
26	February	3.1	0.066	0.17	0.0095	0.028	6.4	0.0028	0.066	0.00045	0.0081	0.000011	0.0054	0.000011	12	0.00052	0.0001	0.0016	0.18
26	March	3.2	0.092	0.21	0.01	0.028	7.0	0.003	0.069	0.00045	0.0081	0.000011	0.0057	0.000014	12	0.00053	0.00012	0.0017	0.19
26	April	3.3	0.130	0.28	0.012	0.028	8.0	0.0031	0.074	0.00046	0.0081	0.000013	0.0063	0.000019	12	0.00054	0.00014	0.0017	0.2
26	May	2.6	0.076	0.11	0.0031	0.022	6.7	0.00082	0.17	0.00028	0.0053	0.000012	0.006	0.000012	10	0.00054	0.00017	0.0015	0.27
26	June	2.5	0.067	0.093	0.0028	0.022	6.3	0.00079	0.17	0.00028	0.0052	0.000012	0.0059	0.000011	10	0.00054	0.00016	0.0015	0.27
26	July	2.7	0.082	0.11	0.0036	0.033	5.5	0.002	0.2	0.00038	0.0067	0.000012	0.006	0.000013	11	0.00051	0.00017	0.0015	0.26
26	August	2.6	0.110	0.15	0.0042	0.021	7.5	0.0021	0.18	0.00036	0.0073	0.000013	0.0064	0.000018	9	0.00034	0.00014	0.0014	0.25
26	September	2.6	0.120	0.15	0.0083	0.041	7.3	0.0024	0.14	0.00036	0.011	0.000012	0.0066	0.000016	11	0.0004	0.00015	0.0014	0.2
26	October	2.5	0.099	0.16	0.0083	0.056	6.7	0.0023	0.25	0.00037	0.009	0.000033	0.0067	0.000019	11	0.001	0.00025	0.0017	0.34
26	November	2.7	0.067	0.1	0.0097	0.024	6.5	0.003	0.11	0.00041	0.0078	0.000012	0.0083	0.000011	11	0.00045	0.00012	0.0016	0.19
26	December	2.7	0.057	0.076	0.0096	0.024	6.1	0.003	0.11	0.0004	0.0077	0.000012	0.0081	0.0000097	11	0.00044	0.00012	0.0016	0.18
27	January	2.6	0.039	0.039	0.0083	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000077	11	0.00044	0.00011	0.0016	0.18
27	February	3.0	0.050	0.14	0.009	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
27	March	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
27	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000098	0.0016	0.18
27	May	2.4	0.017	0.0088	0.001	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
27	June	2.4	0.016	0.0084	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
27	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
27	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0074	0.00001	0.005	0.0000048	8.6	0.00031	0.000099	0.0013	0.23

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
27	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
27	November	2.7	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
27	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
28	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
28	February	3.0	0.050	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
28	March	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
28	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
28	May	2.4	0.017	0.0088	0.001	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
28	June	2.4	0.016	0.0084	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
28	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
28	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0074	0.00001	0.0051	0.0000048	8.6	0.00031	0.000098	0.0013	0.23
28	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
28	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
28	November	2.7	0.035	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
28	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
29	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
29	February	3.0	0.050	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
29	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
29	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
29	May	2.4	0.017	0.0088	0.001	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
29	June	2.4	0.016	0.0083	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
29	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
29	August	2.4	0.025	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00031	0.000098	0.0013	0.23
29	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00037	0.00012	0.0013	0.18
29	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
29	November	2.7	0.035	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
29	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
30	January	2.6	0.038	0.037	0.0082	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
30	February	3.0	0.050	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
30	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
30	April	3.1	0.048	0.14	0.0089	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.005	0.0000071	12	0.00051	0.000097	0.0016	0.18
30	May	2.4	0.017	0.0088	0.00099	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
30	June	2.4	0.016	0.0083	0.00098	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
30	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
30	August	2.4	0.025	0.014	0.0013	0.021	5.2	0.0019	0.17	0.00035	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000099	0.0013	0.23
30	September	2.4	0.040	0.018	0.0056	0.041	5.9	0.0021	0.14	0.00037	0.011	0.0000096	0.0054	0.0000032	11	0.00038	0.00012	0.0013	0.18
30	October	2.4	0.033	0.043	0.006	0.056	5.9	0.0021	0.24	0.00038	0.009	0.000031	0.0058	0.0000096	11	0.001	0.00022	0.0017	0.32
30	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000073	11	0.00044	0.0001	0.0016	0.17
30	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
31	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
31	February	3.1	0.049	0.14	0.009	0.028	5.9	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
31	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
31	April	3.1	0.048	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18
31	May	2.5	0.017	0.0093	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0053	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
31	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
31	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
31	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
31	September	2.4	0.040	0.018	0.0055	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
31	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
31	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
31	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
32	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
32	February	3.1	0.049	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
32	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
32	April	3.1	0.047	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	2.5	0.017	0.0093	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0053	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
32	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
32	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
32	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
32	September	2.4	0.040	0.018	0.0055	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
32	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
32	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
32	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
33	January	2.6	0.038	0.037	0.0082	0.024	6.0	0.0028	0.11	0.00041	0.0077	0.000012	0.0079	0.0000078	11	0.00044	0.00011	0.0016	0.17
33	February	3.0	0.049	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
33	March	3.1	0.048	0.14	0.009	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000096	0.0016	0.18
33	April	3.1	0.047	0.14	0.0089	0.028	6.5	0.0028	0.064	0.00046	0.008	0.00001	0.0051	0.0000074	12	0.00053	0.0001	0.0016	0.18
33	May	2.5	0.017	0.0093	0.001	0.022	5.4	0.00063	0.16	0.00028	0.0053	0.00001	0.0051	0.000003	9.9	0.00054	0.00014	0.0014	0.25
33	June	2.4	0.017	0.0088	0.001	0.022	5.3	0.00063	0.16	0.00028	0.0052	0.00001	0.0051	0.0000029	9.9	0.00053	0.00014	0.0014	0.25
33	July	2.6	0.023	0.013	0.0015	0.033	4.2	0.0018	0.19	0.00037	0.0067	0.00001	0.0051	0.0000041	10	0.0005	0.00014	0.0014	0.24
33	August	2.4	0.025	0.014	0.0013	0.021	5.5	0.0019	0.17	0.00036	0.0073	0.00001	0.0051	0.0000051	8.6	0.00032	0.0001	0.0013	0.22
33	September	2.4	0.040	0.018	0.0055	0.041	5.5	0.0021	0.14	0.00036	0.011	0.0000095	0.0054	0.0000034	11	0.00039	0.00012	0.0013	0.18
33	October	2.4	0.032	0.043	0.006	0.056	5.4	0.0021	0.24	0.00037	0.009	0.000031	0.0057	0.0000099	11	0.001	0.00022	0.0017	0.32
33	November	2.7	0.035	0.036	0.0081	0.024	6.0	0.0028	0.11	0.00041	0.0078	0.000012	0.0079	0.0000074	11	0.00044	0.0001	0.0016	0.17
33	December	2.6	0.036	0.036	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
34	January	2.6	0.040	0.037	0.0083	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.00011	0.0016	0.17
34	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
34	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
34	April	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.064	0.00044	0.0081	0.00001	0.0051	0.0000071	12	0.00052	0.000097	0.0016	0.18
34	May	2.4	0.016	0.0089	0.00093	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
34	June	2.4	0.016	0.0084	0.00094	0.022	4.8	0.00062	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
34	July	2.6	0.023	0.013	0.0015	0.033	3.7	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000039	10	0.0005	0.00014	0.0014	0.24
34	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000048	8.6	0.00032	0.000098	0.0013	0.23
34	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000031	11	0.00038	0.00012	0.0013	0.18
34	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.25	0.00035	0.0091	0.000031	0.0057	0.0000096	11	0.001	0.00022	0.0017	0.32
34	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000073	11	0.00043	0.0001	0.0016	0.17
34	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000074	11	0.00043	0.0001	0.0016	0.17
35	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000076	11	0.00044	0.0001	0.0016	0.17
35	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000073	12	0.00051	0.000096	0.0016	0.17
35	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000071	12	0.00051	0.000097	0.0016	0.18
35	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.065	0.00044	0.0081	0.00001	0.0051	0.0000071	12	0.00052	0.000097	0.0016	0.18
35	May	2.4	0.016	0.0088	0.00092	0.022	4.8	0.00061	0.16	0.00027	0.0053	0.00001	0.005	0.0000027	9.9	0.00053	0.00014	0.0014	0.25
35	June	2.4	0.016	0.0085	0.00095	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.000003	9.9	0.00053	0.00014	0.0014	0.25
35	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
35	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
35	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
35	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
35	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
35	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
36	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
36	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
36	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
36	April	3.1	0.047	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
36	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
36	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
36	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
36	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
36	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
36	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
36	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
36	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
37	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
37	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
37	April	3.1	0.047	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
37	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
37	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
37	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
37	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
37	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
37	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
37	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
37	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
38	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
38	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
38	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
38	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
38	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
38	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
38	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
38	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
38	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
38	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
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Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
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44	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
44	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
44	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
45	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
45	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
45	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
45	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
45	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
45	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
45	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
45	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
45	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
45	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
45	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
45	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
46	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
46	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
46	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
46	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
46	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
46	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
46	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
46	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
46	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
46	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
46	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
47	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
47	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
47	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
47	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
47	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
47	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
47	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
47	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
47	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
47	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
47	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
47	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
48	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
48	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
48	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
48	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
48	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
48	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
48	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
48	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
48	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
48	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
48	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
48	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
49	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
49	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
49	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
49	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
49	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
49	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
49	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
49	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
49	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
49	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
49	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
49	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
50	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
50	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
50	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
50	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
50	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
50	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
50	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
50	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
50	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
50	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
50	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
50	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
51	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
51	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
51	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
51	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
51	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
51	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
51	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
51	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
51	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
51	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
51	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
52	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
52	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
52	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
52	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
52	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
52	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
52	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
52	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
52	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
52	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
52	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
52	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
53	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
53	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
53	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
53	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
53	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
53	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
53	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
53	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
53	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
53	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
53	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
53	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
54	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
54	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
54	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
54	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
54	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
54	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
54	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
54	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
54	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
54	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
54	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
54	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
55	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
55	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
55	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
55	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
55	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
55	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
55	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
55	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
55	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
55	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
55	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
56	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
56	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
56	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
56	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
56	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
56	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
56	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
56	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
56	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
56	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
56	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
56	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
57	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
57	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
57	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
57	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
57	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
57	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
57	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
57	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
57	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
57	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
57	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
57	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
58	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
58	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
58	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
58	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
58	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
58	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
58	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
58	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
58	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
58	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
58	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
58	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
59	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
59	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
59	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
59	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
59	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
59	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
59	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
59	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
59	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
59	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
59	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
59	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
60	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
60	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
60	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
60	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
60	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
60	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
60	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
60	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
60	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
60	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
60	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
61	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
61	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
61	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
61	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
61	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
61	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
61	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
61	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
61	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
61	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
61	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
61	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
62	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
62	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
62	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
62	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
62	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
62	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
62	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
62	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
62	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
62	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
62	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
62	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
63	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
63	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
63	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
63	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
63	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
63	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
63	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
63	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
63	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
63	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
63	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
63	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
64	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
64	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
64	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
64	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
64	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
64	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
64	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
64	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
64	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
64	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
64	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
64	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
65	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
65	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
65	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
65	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
65	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
65	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
65	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
65	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
65	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
65	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
65	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
66	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
66	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
66	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
66	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
66	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
66	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
66	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
66	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
66	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
66	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
66	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
66	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
67	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
67	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
67	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
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67	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
67	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
67	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
67	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
67	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
67	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
68	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
68	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
68	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
68	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
68	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
68	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
68	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
68	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
68	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
68	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
68	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
68	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
69	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
69	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
69	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
69	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
69	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
69	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
69	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
69	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
69	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
69	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
69	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000076	11	0.00043	0.0001	0.0016	0.17
70	January	2.6	0.037	0.037	0.0081	0.024	5.7	0.0028	0.11	0.0004	0.0077	0.000012	0.0079	0.0000079	11	0.00044	0.00011	0.0016	0.17
70	February	3.1	0.048	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000075	12	0.00051	0.000097	0.0016	0.17
70	March	3.1	0.047	0.14	0.0088	0.028	5.8	0.0028	0.063	0.00045	0.0081	0.00001	0.0051	0.0000074	12	0.00051	0.000098	0.0016	0.18
70	April	3.1	0.046	0.14	0.0087	0.028	5.8	0.0028	0.064	0.00045	0.0081	0.00001	0.0051	0.0000083	12	0.00051	0.0001	0.0016	0.18
70	May	2.5	0.016	0.0091	0.00094	0.022	4.9	0.00061	0.16	0.00027	0.0053	0.00001	0.0051	0.0000035	9.9	0.00053	0.00014	0.0014	0.25
70	June	2.4	0.016	0.0086	0.00096	0.022	4.8	0.00062	0.16	0.00027	0.0052	0.00001	0.0051	0.0000034	9.9	0.00053	0.00014	0.0014	0.25
70	July	2.6	0.023	0.013	0.0015	0.033	3.8	0.0018	0.19	0.00036	0.0067	0.00001	0.0051	0.0000043	10	0.0005	0.00014	0.0014	0.24
70	August	2.4	0.024	0.014	0.0013	0.021	5.1	0.0019	0.17	0.00034	0.0073	0.00001	0.0051	0.0000054	8.6	0.00032	0.0001	0.0013	0.23
70	September	2.4	0.040	0.017	0.0055	0.042	5.0	0.0021	0.14	0.00034	0.011	0.0000095	0.0054	0.0000039	11	0.00038	0.00012	0.0013	0.18
70	October	2.4	0.032	0.042	0.0059	0.056	4.9	0.0021	0.24	0.00036	0.009	0.000031	0.0057	0.00001	11	0.001	0.00022	0.0017	0.32
70	November	2.7	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17
70	December	2.6	0.035	0.036	0.008	0.024	5.7	0.0028	0.11	0.0004	0.0078	0.000012	0.0079	0.0000075	11	0.00043	0.0001	0.0016	0.17

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-6	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.0020	0.00079	0.00041
-6	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00040
-6	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00013	0.00044	0.0020	0.00079	0.00040
-6	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-6	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-6	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
-6	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-6	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-6	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00027
-6	November	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
-6	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00030
-5	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-5	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.0020	0.00079	0.00041
-5	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00040
-5	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.0020	0.00079	0.00040
-5	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-5	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-5	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
-5	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-5	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-5	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00027
-5	November	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
-5	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00030
-4	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00031
-4	February	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000048	0.00013	0.00043	0.0020	0.00079	0.00041
-4	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00040
-4	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.0020	0.00079	0.00040
-4	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-4	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-4	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
-4	August	0.0001	2.3	0.015	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
-4	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00034
-4	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00027
-4	November	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
-4	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00030
-3	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00035
-3	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00045
-3	March	0.000061	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00012	0.00044	0.0020	0.00079	0.00044
-3	April	0.00006	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000051	0.00013	0.00044	0.0020	0.00079	0.00045
-3	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00016
-3	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00016
-3	July	0.00011	2.7	0.014	0.00000087	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00022
-3	August	0.00011	2.3	0.015	0.00000086	0.00018	0.00093	0.86	0.000092	0.0000062	0.0000049	0.00005	0.00012	0.00063	0.0015	0.00047	0.00024
-3	September	0.00021	2.6	0.013	0.00000087	0.00023	0.0012	0.99	0.00011	0.000012	0.0000043	0.000048	0.00011	0.00074	0.0014	0.00041	0.00037
-3	October	0.00015	2.9	0.013	0.00000087	0.00033	0.0016	1.1	0.000093	0.000026	0.0000069	0.000049	0.00014	0.00097	0.0020	0.00053	0.00032
-3	November	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000016	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00032
-3	December	0.0001	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-2	January	0.0001	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00035
-2	February	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00045
-2	March	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000051	0.00012	0.00044	0.0020	0.00079	0.00044
-2	April	0.000062	3.0	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00013	0.00044	0.0020	0.00079	0.00049
-2	May	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.000052	0.0001	0.00065	0.0015	0.00026	0.00020
-2	June	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.000052	0.0001	0.00065	0.0015	0.00026	0.00019
-2	July	0.00011	2.7	0.014	0.00000088	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000051	0.00011	0.00079	0.0016	0.00048	0.00025
-2	August	0.00011	2.3	0.015	0.00000087	0.00019	0.00093	0.87	0.000094	0.0000062	0.0000049	0.000052	0.00012	0.00063	0.0016	0.00047	0.00027

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00021	2.6	0.013	0.00000088	0.00023	0.0012	0.99	0.00011	0.000012	0.0000043	0.00005	0.00011	0.00074	0.0014	0.00041	0.00040
-2	October	0.00015	2.9	0.013	0.00000088	0.00033	0.0016	1.1	0.000093	0.000026	0.0000069	0.00005	0.00014	0.00097	0.0020	0.00053	0.00033
-2	November	0.0001	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000016	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-2	December	0.0001	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00033
-1	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00033
-1	February	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.0020	0.00079	0.00042
-1	March	0.000062	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
-1	April	0.000062	3.0	0.011	0.00000073	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00044	0.0020	0.00079	0.00041
-1	May	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-1	June	0.00013	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
-1	July	0.00011	2.7	0.014	0.0000009	0.00024	0.0012	1	0.00012	0.0000066	0.000005	0.000057	0.00011	0.00079	0.0016	0.00048	0.00035
-1	August	0.00011	2.3	0.014	0.00000089	0.0002	0.00093	0.87	0.000098	0.0000064	0.000005	0.000057	0.00012	0.00063	0.0016	0.00047	0.00036
-1	September	0.00021	2.6	0.013	0.00000089	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000053	0.00011	0.00074	0.0014	0.00041	0.00045
-1	October	0.00015	2.9	0.013	0.00000089	0.00034	0.0016	1.1	0.000096	0.000026	0.000007	0.000053	0.00014	0.00097	0.0020	0.00052	0.00038
-1	November	0.0001	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00032
-1	December	0.0001	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
1	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00032
1	February	0.000061	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.0020	0.00079	0.00042
1	March	0.000061	3.0	0.011	0.00000073	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00013	0.00044	0.0020	0.00079	0.00048
1	April	0.000062	3.0	0.011	0.00000084	0.00035	0.0015	1.2	0.00012	0.000019	0.000011	0.000077	0.00013	0.00044	0.0020	0.00078	0.00097
1	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000063	0.0000095	0.000071	0.00011	0.00065	0.0015	0.00026	0.00058
1	June	0.00013	2.7	0.011	0.0000014	0.00023	0.0013	1	0.00011	0.0000062	0.0000075	0.000066	0.00011	0.00065	0.0015	0.00026	0.00047
1	July	0.00011	2.7	0.014	0.00000094	0.00026	0.0012	1	0.00013	0.0000069	0.0000052	0.000066	0.00011	0.00079	0.0016	0.00047	0.00053
1	August	0.00011	2.3	0.014	0.00000097	0.00023	0.00094	0.9	0.00011	0.0000069	0.000005	0.000074	0.00013	0.00063	0.0016	0.00046	0.00067
1	September	0.00021	2.6	0.013	0.00000098	0.00027	0.0012	1	0.00013	0.000013	0.0000044	0.000073	0.00012	0.00074	0.0014	0.00041	0.00082
1	October	0.00015	2.9	0.013	0.00000096	0.00037	0.0016	1.1	0.00011	0.000027	0.000007	0.000069	0.00014	0.00097	0.0020	0.00052	0.00067
1	November	0.0001	2.8	0.009	0.00000088	0.00022	0.0014	1.1	0.00012	0.000016	0.000005	0.000053	0.00014	0.00058	0.0015	0.00071	0.00038
1	December	0.0001	2.8	0.009	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000053	0.00014	0.00058	0.0015	0.00071	0.00037
2	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
2	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.0020	0.00079	0.00042
2	March	0.00006	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00040
2	April	0.000062	3.0	0.011	0.00000089	0.00035	0.0015	1.2	0.00013	0.00002	0.0000092	0.0001	0.00014	0.00044	0.0021	0.00078	0.00093
2	May	0.00013	2.7	0.011	0.0000015	0.00029	0.0013	1	0.00013	0.0000065	0.000013	0.000091	0.00011	0.00065	0.0016	0.00026	0.00058
2	June	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000064	0.0000095	0.000083	0.00011	0.00065	0.0015	0.00026	0.00049
2	July	0.00011	2.7	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000072	0.0000062	0.000084	0.00011	0.00079	0.0016	0.00047	0.00053
2	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000072	0.0000051	0.000096	0.00013	0.00063	0.0016	0.00046	0.00064
2	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.0001	0.00012	0.00075	0.0014	0.00041	0.00082
2	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.000099	0.00015	0.00098	0.0020	0.00052	0.00074
2	November	0.0001	2.8	0.009	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000059	0.00014	0.00058	0.0015	0.00071	0.00039
2	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00045
3	January	0.0001	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00034
3	February	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00043
3	March	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000052	0.00012	0.00043	0.0020	0.00079	0.00043
3	April	0.000063	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00014	0.00002	0.00001	0.00011	0.00014	0.00044	0.0021	0.00078	0.00096
3	May	0.00013	2.7	0.011	0.0000015	0.00029	0.0013	1	0.00013	0.0000067	0.000013	0.000097	0.00011	0.00065	0.0016	0.00026	0.00061
3	June	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000065	0.0000097	0.000087	0.00011	0.00065	0.0015	0.00026	0.00050
3	July	0.00011	2.7	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000058	0.000089	0.00011	0.0008	0.0016	0.00047	0.00054
3	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000073	0.0000051	0.0001	0.00013	0.00063	0.0016	0.00046	0.00065
3	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00083
3	October	0.00015	2.9	0.013	0.0000011	0.0004	0.0016	1.1	0.00013	0.000027	0.0000071	0.00011	0.00015	0.00098	0.0020	0.00052	0.00079
3	November	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000064	0.00014	0.00058	0.0015	0.00071	0.00043
3	December	0.0001	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000059	0.00014	0.00058	0.0015	0.00071	0.00039
4	January	0.0001	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00034
4	February	0.000061	3.0	0.011	0.00000077	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000064	0.00013	0.00044	0.0020	0.00079	0.00054
4	March	0.00006	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.000053	0.00012	0.00043	0.0020	0.00079	0.00044
4	April	0.000064	3.0	0.011	0.00000096	0.00035	0.0015	1.2	0.00014	0.00002	0.0000084	0.00012	0.00014	0.00045	0.0021	0.00078	0.00098

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00013	2.7	0.011	0.0000015	0.00028	0.0013	1.1	0.00013	0.000007	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00061
4	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000068	0.000012	0.000092	0.00011	0.00065	0.0015	0.00026	0.00055
4	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000076	0.0000058	0.000093	0.00012	0.0008	0.0016	0.00047	0.00054
4	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000078	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00068
4	September	0.00021	2.6	0.013	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00083
4	October	0.00016	2.9	0.013	0.0000011	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.0020	0.00052	0.00079
4	November	0.0001	2.9	0.009	0.00000096	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000076	0.00014	0.00058	0.0015	0.00071	0.00051
4	December	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000064	0.00014	0.00058	0.0015	0.00071	0.00042
5	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000063	0.00014	0.00058	0.0015	0.00071	0.00043
5	February	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00012	0.000019	0.0000039	0.000068	0.00013	0.00044	0.0020	0.00079	0.00057
5	March	0.00006	3.0	0.011	0.00000073	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.000054	0.00013	0.00043	0.0020	0.00079	0.00045
5	April	0.000065	3.0	0.011	0.000001	0.00036	0.0015	1.2	0.00014	0.000021	0.0000083	0.00012	0.00014	0.00045	0.0021	0.00078	0.00099
5	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000071	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00062
5	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000069	0.000012	0.000091	0.00011	0.00065	0.0016	0.00026	0.00055
5	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000077	0.0000062	0.000093	0.00012	0.0008	0.0016	0.00047	0.00056
5	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.000008	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00069
5	September	0.00021	2.6	0.013	0.0000011	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00084
5	October	0.00016	2.9	0.013	0.0000011	0.00041	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.0020	0.00052	0.00080
5	November	0.0001	2.9	0.009	0.00000099	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.000079	0.00014	0.00058	0.0015	0.00071	0.00054
5	December	0.0001	2.9	0.009	0.00000095	0.00024	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.00048
6	January	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000064	0.00014	0.00059	0.0015	0.00071	0.00045
6	February	0.000062	3.0	0.011	0.00000083	0.00028	0.0015	1.2	0.00012	0.00002	0.0000039	0.000072	0.00013	0.00044	0.0020	0.00079	0.00062
6	March	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000064	0.00013	0.00044	0.0020	0.00079	0.00054
6	April	0.000065	3.0	0.011	0.000001	0.00036	0.0015	1.2	0.00014	0.000021	0.0000085	0.00011	0.00014	0.00045	0.0021	0.00078	0.00100
6	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000073	0.000012	0.000097	0.00011	0.00065	0.0016	0.00026	0.00063
6	June	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.000007	0.000011	0.000088	0.00011	0.00065	0.0016	0.00026	0.00055
6	July	0.00011	2.7	0.014	0.0000011	0.00028	0.0012	1	0.00014	0.0000079	0.0000063	0.00009	0.00012	0.0008	0.0016	0.00047	0.00057
6	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000082	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00069
6	September	0.00022	2.6	0.013	0.0000012	0.0003	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00084
6	October	0.00016	2.9	0.013	0.0000012	0.00041	0.0016	1.2	0.00013	0.000028	0.0000072	0.00011	0.00015	0.00098	0.0020	0.00052	0.00081
6	November	0.0001	2.9	0.009	0.0000011	0.00026	0.0014	1.2	0.00014	0.000017	0.0000052	0.000087	0.00014	0.00059	0.0015	0.00071	0.00062
6	December	0.0001	2.9	0.009	0.00000096	0.00024	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.00050
7	January	0.0001	2.9	0.009	0.00000095	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000066	0.00014	0.00059	0.0015	0.00071	0.00047
7	February	0.000063	3.0	0.011	0.00000088	0.00029	0.0015	1.2	0.00013	0.00002	0.0000039	0.000084	0.00013	0.00044	0.0021	0.00079	0.00070
7	March	0.000062	3.0	0.011	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.00007	0.00013	0.00044	0.0020	0.00079	0.00058
7	April	0.000066	3.0	0.011	0.0000011	0.00036	0.0015	1.2	0.00014	0.000021	0.000009	0.00012	0.00014	0.00045	0.0021	0.00078	0.00110
7	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1.1	0.00013	0.0000073	0.000012	0.000098	0.00011	0.00065	0.0016	0.00026	0.00063
7	June	0.00013	2.7	0.011	0.0000016	0.00026	0.0013	1	0.00013	0.000007	0.000011	0.00009	0.00011	0.00065	0.0016	0.00026	0.00056
7	July	0.00011	2.7	0.014	0.0000011	0.00027	0.0012	1	0.00014	0.0000079	0.0000059	0.000092	0.00012	0.0008	0.0016	0.00047	0.00056
7	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.0000083	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00070
7	September	0.00022	2.6	0.013	0.0000012	0.00029	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00085
7	October	0.00016	2.9	0.013	0.0000012	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00011	0.00015	0.00098	0.0020	0.00052	0.00082
7	November	0.0001	2.9	0.009	0.000001	0.00025	0.0014	1.2	0.00014	0.000017	0.0000052	0.000087	0.00014	0.00059	0.0015	0.00071	0.00061
7	December	0.0001	2.9	0.009	0.00000097	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000073	0.00014	0.00058	0.0015	0.00071	0.00051
8	January	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000067	0.00014	0.00059	0.0015	0.00071	0.00047
8	February	0.000061	3.0	0.011	0.00000081	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000072	0.00013	0.00044	0.0020	0.00079	0.00061
8	March	0.000062	3.0	0.011	0.00000086	0.00029	0.0015	1.2	0.00012	0.00002	0.0000039	0.000086	0.00013	0.00044	0.0021	0.00079	0.00071
8	April	0.000065	3.0	0.011	0.000001	0.00039	0.0015	1.2	0.00015	0.000021	0.000013	0.00012	0.00014	0.00045	0.0021	0.00078	0.00110
8	May	0.00013	2.7	0.011	0.0000016	0.00028	0.0013	1	0.00013	0.0000071	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00064
8	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00013	0.0000069	0.000011	0.000091	0.00011	0.00065	0.0015	0.00026	0.00056
8	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000077	0.000006	0.000093	0.00012	0.0008	0.0016	0.00047	0.00057
8	August	0.00011	2.3	0.014	0.0000011	0.00025	0.00094	0.94	0.00012	0.000008	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00071
8	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0012	1.1	0.00014	0.000014	0.0000045	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
8	October	0.00016	2.9	0.013	0.0000011	0.0004	0.0016	1.2	0.00013	0.000028	0.0000072	0.00012	0.00015	0.00098	0.0020	0.00052	0.00082
8	November	0.0001	2.9	0.009	0.00000099	0.00024	0.0014	1.1	0.00014	0.000016	0.0000051	0.00008	0.00014	0.00058	0.0015	0.00071	0.00055
8	December	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000071	0.00014	0.00058	0.0015	0.00071	0.00049

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00014	0.000016	0.000005	0.000069	0.00014	0.00059	0.0015	0.00071	0.00049
9	February	0.000061	3.0	0.011	0.0000008	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000076	0.00013	0.00044	0.0020	0.00079	0.00063
9	March	0.000062	3.0	0.011	0.00000082	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000086	0.00013	0.00044	0.0020	0.00079	0.00070
9	April	0.000063	3.0	0.011	0.00000096	0.0004	0.0015	1.2	0.00015	0.00002	0.000015	0.00013	0.00014	0.00045	0.0021	0.00078	0.00120
9	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000068	0.000012	0.0001	0.00011	0.00065	0.0016	0.00026	0.00064
9	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00013	0.0000066	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
9	July	0.00011	2.8	0.014	0.000001	0.00027	0.0012	1	0.00014	0.0000074	0.0000062	0.000095	0.00011	0.0008	0.0016	0.00047	0.00058
9	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.93	0.00012	0.0000075	0.0000052	0.00011	0.00013	0.00064	0.0016	0.00046	0.00071
9	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
9	October	0.00015	2.9	0.013	0.0000011	0.0004	0.0016	1.1	0.00013	0.000027	0.0000071	0.00012	0.00015	0.00098	0.0020	0.00052	0.00083
9	November	0.0001	2.9	0.009	0.00000094	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000074	0.00014	0.00058	0.0015	0.00071	0.00050
9	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00044
10	January	0.0001	2.9	0.009	0.00000093	0.00027	0.0014	1.1	0.00014	0.000016	0.00001	0.000073	0.00015	0.00058	0.0015	0.00071	0.00057
10	February	0.000061	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000042	0.000073	0.00013	0.00044	0.0020	0.00079	0.00062
10	March	0.000061	3.0	0.011	0.0000008	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000087	0.00013	0.00044	0.0020	0.00079	0.00071
10	April	0.000062	3.0	0.011	0.00000091	0.0004	0.0015	1.2	0.00014	0.00002	0.000015	0.00013	0.00014	0.00044	0.0021	0.00078	0.00120
10	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.000099	0.00011	0.00065	0.0015	0.00026	0.00062
10	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000092	0.00011	0.00065	0.0015	0.00026	0.00056
10	July	0.00011	2.8	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000072	0.000006	0.000095	0.00011	0.00079	0.0016	0.00047	0.00057
10	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000073	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00071
10	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00011	0.00012	0.00075	0.0014	0.00041	0.00086
10	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.0020	0.00052	0.00083
10	November	0.0001	2.9	0.009	0.00000093	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000075	0.00014	0.00058	0.0015	0.00071	0.00050
10	December	0.0001	2.9	0.009	0.00000089	0.00024	0.0014	1.1	0.00013	0.000016	0.0000063	0.000066	0.00014	0.00058	0.0015	0.00071	0.00046
11	January	0.0001	2.9	0.009	0.00000092	0.00026	0.0014	1.1	0.00014	0.000016	0.0000084	0.000071	0.00015	0.00058	0.0015	0.00071	0.00055
11	February	0.000061	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000041	0.000074	0.00013	0.00044	0.0020	0.00079	0.00062
11	March	0.000061	3.0	0.011	0.0000008	0.00029	0.0015	1.2	0.00012	0.000019	0.0000039	0.000089	0.00013	0.00044	0.0020	0.00079	0.00071
11	April	0.000062	3.0	0.011	0.00000091	0.00041	0.0015	1.2	0.00014	0.00002	0.000016	0.00013	0.00014	0.00044	0.0021	0.00078	0.00120
11	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.000099	0.00011	0.00065	0.0015	0.00026	0.00062
11	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
11	July	0.00011	2.8	0.014	0.00000097	0.00027	0.0012	1	0.00014	0.0000071	0.0000057	0.000096	0.00011	0.00079	0.0016	0.00047	0.00057
11	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000072	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00070
11	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
11	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.0020	0.00052	0.00082
11	November	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000051	0.000075	0.00014	0.00058	0.0015	0.00071	0.00050
11	December	0.0001	2.9	0.009	0.0000009	0.00026	0.0014	1.1	0.00013	0.000016	0.0000088	0.000068	0.00014	0.00058	0.0015	0.00071	0.00050
12	January	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000069	0.00014	0.00058	0.0015	0.00071	0.00048
12	February	0.000061	3.0	0.011	0.00000077	0.00028	0.0015	1.2	0.00012	0.000019	0.0000038	0.000075	0.00013	0.00044	0.0020	0.00079	0.00062
12	March	0.000061	3.0	0.011	0.00000082	0.00033	0.0015	1.2	0.00012	0.000019	0.0000098	0.000092	0.00013	0.00044	0.0021	0.00079	0.00083
12	April	0.000062	3.0	0.011	0.00000089	0.00039	0.0015	1.2	0.00013	0.00002	0.000014	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
12	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00013	0.0000065	0.000012	0.0001	0.00011	0.00065	0.0015	0.00026	0.00064
12	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
12	July	0.00011	2.8	0.014	0.00000097	0.00028	0.0012	1	0.00014	0.0000071	0.000006	0.000096	0.00011	0.00079	0.0016	0.00047	0.00057
12	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.93	0.00012	0.0000072	0.0000051	0.00011	0.00013	0.00063	0.0016	0.00046	0.00071
12	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
12	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.0020	0.00052	0.00080
12	November	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000051	0.000069	0.00014	0.00058	0.0015	0.00071	0.00046
12	December	0.0001	2.9	0.009	0.00000091	0.00026	0.0014	1.1	0.00013	0.000016	0.0000088	0.000072	0.00014	0.00058	0.0015	0.00071	0.00054
13	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000058	0.000069	0.00014	0.00058	0.0015	0.00071	0.00049
13	February	0.000061	3.0	0.011	0.00000078	0.00028	0.0015	1.2	0.00012	0.000019	0.0000039	0.000075	0.00013	0.00044	0.0020	0.00079	0.00062
13	March	0.000061	3.0	0.011	0.00000079	0.00029	0.0015	1.2	0.00011	0.000019	0.0000059	0.000082	0.00013	0.00044	0.0020	0.00079	0.00069
13	April	0.000062	3.0	0.011	0.00000093	0.0004	0.0015	1.2	0.00014	0.00002	0.000016	0.00013	0.00014	0.00045	0.0021	0.00078	0.00120
13	May	0.00013	2.7	0.011	0.0000015	0.00027	0.0013	1	0.00012	0.0000065	0.000012	0.0001	0.00011	0.00065	0.0015	0.00026	0.00062
13	June	0.00013	2.7	0.011	0.0000015	0.00026	0.0013	1	0.00012	0.0000064	0.000011	0.000094	0.00011	0.00065	0.0015	0.00026	0.00056
13	July	0.00011	2.8	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000072	0.0000062	0.000097	0.00011	0.0008	0.0016	0.00047	0.00058
13	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000073	0.0000052	0.00012	0.00013	0.00063	0.0016	0.00046	0.00071

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00021	2.6	0.013	0.000001	0.00029	0.0012	1.1	0.00014	0.000013	0.0000044	0.00012	0.00012	0.00075	0.0014	0.00041	0.00086
13	October	0.00015	2.9	0.013	0.000001	0.00039	0.0016	1.1	0.00012	0.000027	0.0000071	0.00012	0.00015	0.00098	0.0020	0.00052	0.00082
13	November	0.0001	2.9	0.009	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.000005	0.000065	0.00014	0.00058	0.0015	0.00071	0.00042
13	December	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.000005	0.000072	0.00014	0.00058	0.0015	0.00071	0.00048
14	January	0.0001	2.9	0.009	0.00000094	0.00026	0.0014	1.1	0.00014	0.000016	0.0000089	0.000076	0.00015	0.00058	0.0015	0.00071	0.00061
14	February	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00012	0.000019	0.0000041	0.000075	0.00013	0.00044	0.0020	0.00079	0.00063
14	March	0.00006	3.0	0.011	0.00000077	0.00027	0.0015	1.2	0.00011	0.000019	0.0000038	0.000074	0.00013	0.00044	0.0020	0.00079	0.00060
14	April	0.000062	3.0	0.011	0.0000009	0.00036	0.0015	1.2	0.00013	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
14	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00064
14	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000097	0.000093	0.00011	0.00065	0.0015	0.00026	0.00056
14	July	0.00011	2.8	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000072	0.0000065	0.000096	0.00011	0.0008	0.0016	0.00047	0.00059
14	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000073	0.0000077	0.00012	0.00013	0.00063	0.0016	0.00046	0.00077
14	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.000009	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
14	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.0020	0.00052	0.00083
14	November	0.0001	2.9	0.009	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000053	0.000066	0.00014	0.00058	0.0015	0.00071	0.00044
14	December	0.0001	2.9	0.009	0.0000009	0.00025	0.0014	1.1	0.00013	0.000016	0.0000082	0.000068	0.00014	0.00058	0.0015	0.00071	0.00051
15	January	0.0001	2.9	0.009	0.00000092	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000071	0.00014	0.00059	0.0015	0.00071	0.00051
15	February	0.000061	3.0	0.011	0.00000078	0.0003	0.0015	1.2	0.00012	0.000019	0.0000084	0.000072	0.00013	0.00044	0.0020	0.00079	0.00068
15	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000075	0.00013	0.00044	0.0020	0.00079	0.00063
15	April	0.000062	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
15	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.000098	0.00011	0.00065	0.0015	0.00026	0.00064
15	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.00009	0.00011	0.00065	0.0015	0.00026	0.00056
15	July	0.00011	2.8	0.014	0.00000098	0.00026	0.0012	1	0.00014	0.0000072	0.0000056	0.000093	0.00011	0.00079	0.0016	0.00047	0.00057
15	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000076	0.00011	0.00013	0.00063	0.0016	0.00046	0.00077
15	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000089	0.00011	0.00012	0.00075	0.0014	0.00041	0.00098
15	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.0020	0.00052	0.00086
15	November	0.0001	2.9	0.009	0.0000009	0.00022	0.0014	1.1	0.00013	0.000016	0.0000052	0.000064	0.00014	0.00058	0.0015	0.00071	0.00043
15	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000064	0.000066	0.00014	0.00058	0.0015	0.00071	0.00048
16	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.0000075	0.00007	0.00014	0.00058	0.0015	0.00071	0.00055
16	February	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00012	0.000019	0.000004	0.000075	0.00013	0.00044	0.0020	0.00079	0.00063
16	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000089	0.000078	0.00013	0.00044	0.0020	0.00079	0.00072
16	April	0.000062	3.0	0.011	0.0000009	0.00035	0.0015	1.2	0.00013	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
16	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00065
16	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
16	July	0.00011	2.8	0.014	0.00000097	0.00026	0.0012	1	0.00014	0.0000072	0.0000058	0.000094	0.00011	0.00079	0.0016	0.00047	0.00058
16	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.91	0.00012	0.0000073	0.0000077	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
16	September	0.00021	2.6	0.013	0.000001	0.0003	0.0012	1	0.00014	0.000013	0.0000091	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
16	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00097	0.0020	0.00052	0.00088
16	November	0.0001	2.9	0.009	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000053	0.000066	0.00014	0.00058	0.0015	0.00071	0.00045
16	December	0.0001	2.9	0.009	0.00000091	0.00025	0.0014	1.1	0.00013	0.000016	0.0000084	0.000069	0.00014	0.00058	0.0015	0.00071	0.00052
17	January	0.0001	2.9	0.009	0.00000092	0.00023	0.0014	1.1	0.00014	0.000016	0.0000052	0.000069	0.00014	0.00058	0.0015	0.00071	0.00050
17	February	0.000061	3.0	0.011	0.0000008	0.00031	0.0015	1.2	0.00012	0.000019	0.0000092	0.000079	0.00013	0.00044	0.0020	0.00079	0.00075
17	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000042	0.000076	0.00013	0.00044	0.0020	0.00079	0.00063
17	April	0.000062	3.0	0.011	0.00000091	0.00036	0.0015	1.2	0.00013	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.00120
17	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0015	0.00026	0.00065
17	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000064	0.0000095	0.000091	0.00011	0.00065	0.0015	0.00026	0.00056
17	July	0.00011	2.8	0.014	0.00000098	0.00026	0.0012	1	0.00014	0.0000072	0.0000059	0.000095	0.00011	0.00079	0.0016	0.00047	0.00058
17	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.91	0.00012	0.0000073	0.0000078	0.00012	0.00013	0.00063	0.0016	0.00046	0.00078
17	September	0.00021	2.6	0.013	0.000001	0.00031	0.0012	1	0.00014	0.000013	0.0000093	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
17	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00097	0.0020	0.00052	0.00088
17	November	0.0001	2.9	0.009	0.00000091	0.00022	0.0014	1.1	0.00013	0.000016	0.0000053	0.000067	0.00014	0.00058	0.0015	0.00071	0.00045
17	December	0.0001	2.9	0.009	0.00000091	0.00024	0.0014	1.1	0.00013	0.000016	0.0000081	0.000068	0.00014	0.00058	0.0015	0.00071	0.00052
18	January	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00014	0.000016	0.000006	0.00007	0.00014	0.00058	0.0015	0.00071	0.00052
18	February	0.000061	3.0	0.011	0.0000008	0.0003	0.0015	1.2	0.00012	0.000019	0.0000079	0.000078	0.00013	0.00044	0.0020	0.00079	0.00074
18	March	0.000061	3.0	0.011	0.00000078	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000075	0.00013	0.00044	0.0020	0.00079	0.00063
18	April	0.000062	3.0	0.011	0.00000092	0.00036	0.0015	1.2	0.00014	0.00002	0.000013	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00012	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
18	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
18	July	0.00011	2.7	0.014	0.00000098	0.00027	0.0012	1	0.00014	0.0000073	0.0000067	0.000094	0.00011	0.0008	0.0016	0.00047	0.00060
18	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000075	0.00011	0.00013	0.00063	0.0016	0.00046	0.00077
18	September	0.00021	2.6	0.013	0.000001	0.0003	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
18	October	0.00015	2.9	0.013	0.000001	0.0004	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.0020	0.00052	0.00085
18	November	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000078	0.000069	0.00014	0.00058	0.0015	0.00071	0.00052
18	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000063	0.000067	0.00014	0.00058	0.0015	0.00071	0.00048
19	January	0.0001	2.9	0.009	0.00000093	0.00025	0.0014	1.1	0.00014	0.000016	0.0000079	0.000073	0.00015	0.00058	0.0015	0.00071	0.00058
19	February	0.000061	3.0	0.011	0.00000079	0.00027	0.0015	1.2	0.00012	0.000019	0.0000044	0.000075	0.00013	0.00044	0.0020	0.00079	0.00064
19	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000084	0.000078	0.00013	0.00044	0.0020	0.00079	0.00072
19	April	0.000062	3.0	0.011	0.00000091	0.00035	0.0015	1.2	0.00013	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
19	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000066	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
19	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
19	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000066	0.000095	0.00011	0.0008	0.0016	0.00047	0.00059
19	August	0.00011	2.3	0.014	0.000001	0.00024	0.00094	0.92	0.00012	0.0000074	0.0000074	0.00011	0.00013	0.00063	0.0016	0.00046	0.00077
19	September	0.00021	2.6	0.013	0.000001	0.0003	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
19	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000012	0.00011	0.00015	0.00097	0.0020	0.00052	0.00087
19	November	0.0001	2.8	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000078	0.000067	0.00014	0.00058	0.0015	0.00071	0.00050
19	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000058	0.000067	0.00014	0.00058	0.0015	0.00071	0.00047
20	January	0.0001	2.9	0.009	0.00000094	0.00025	0.0014	1.1	0.00014	0.000016	0.0000083	0.000072	0.00015	0.00058	0.0015	0.00071	0.00058
20	February	0.000061	3.0	0.011	0.00000079	0.00028	0.0015	1.2	0.00012	0.000019	0.0000046	0.000077	0.00013	0.00044	0.0020	0.00079	0.00066
20	March	0.000061	3.0	0.011	0.0000008	0.0003	0.0015	1.2	0.00012	0.000019	0.0000084	0.000078	0.00013	0.00044	0.0020	0.00079	0.00072
20	April	0.000062	3.0	0.011	0.00000092	0.00035	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
20	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000067	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00065
20	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
20	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000063	0.000095	0.00011	0.0008	0.0016	0.00047	0.00059
20	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000076	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
20	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
20	October	0.00015	2.9	0.013	0.000001	0.00041	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00098	0.0020	0.00052	0.00090
20	November	0.0001	2.8	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000081	0.000066	0.00014	0.00058	0.0015	0.00071	0.00049
20	December	0.0001	2.9	0.009	0.0000009	0.00023	0.0014	1.1	0.00013	0.000016	0.0000052	0.000067	0.00014	0.00058	0.0015	0.00071	0.00046
21	January	0.0001	2.9	0.009	0.00000094	0.00026	0.0014	1.1	0.00014	0.000016	0.000009	0.000073	0.00015	0.00058	0.0015	0.00071	0.00059
21	February	0.000061	3.0	0.011	0.00000079	0.00028	0.0015	1.2	0.00012	0.000019	0.0000041	0.000077	0.00013	0.00044	0.0020	0.00079	0.00065
21	March	0.000061	3.0	0.011	0.0000008	0.00031	0.0015	1.2	0.00012	0.000019	0.0000088	0.00008	0.00013	0.00044	0.0021	0.00079	0.00074
21	April	0.000062	3.0	0.011	0.00000091	0.00035	0.0015	1.2	0.00013	0.00002	0.000011	0.00012	0.00014	0.00044	0.0021	0.00078	0.00110
21	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000067	0.00001	0.0001	0.00011	0.00065	0.0016	0.00026	0.00064
21	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000091	0.00011	0.00065	0.0015	0.00026	0.00057
21	July	0.00011	2.8	0.014	0.00000099	0.00027	0.0012	1	0.00014	0.0000073	0.0000062	0.000095	0.00011	0.0008	0.0016	0.00047	0.00059
21	August	0.00011	2.3	0.014	0.000001	0.00025	0.00094	0.92	0.00012	0.0000074	0.0000077	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
21	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000089	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
21	October	0.00015	2.9	0.013	0.000001	0.00042	0.0016	1.1	0.00012	0.000027	0.000013	0.00011	0.00015	0.00098	0.0020	0.00052	0.00091
21	November	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000072	0.000067	0.00014	0.00058	0.0015	0.00071	0.00049
21	December	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000061	0.000068	0.00014	0.00058	0.0015	0.00071	0.00048
22	January	0.0001	2.9	0.009	0.00000095	0.00026	0.0014	1.1	0.00014	0.000016	0.0000089	0.000075	0.00015	0.00058	0.0015	0.00071	0.00061
22	February	0.00006	3.0	0.011	0.00000076	0.00027	0.0015	1.2	0.00011	0.000019	0.0000041	0.000066	0.00013	0.00044	0.0020	0.00079	0.00056
22	March	0.000061	3.0	0.011	0.00000079	0.0003	0.0015	1.2	0.00011	0.000019	0.0000083	0.000077	0.00013	0.00044	0.0021	0.00079	0.00071
22	April	0.000063	3.0	0.011	0.00000094	0.00037	0.0015	1.2	0.00014	0.00002	0.000014	0.00012	0.00014	0.00044	0.0021	0.00078	0.00120
22	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0013	1	0.00013	0.0000067	0.00001	0.000099	0.00011	0.00065	0.0016	0.00026	0.00064
22	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000092	0.00011	0.00065	0.0015	0.00026	0.00057
22	July	0.00011	2.8	0.014	0.00000099	0.00026	0.0012	1	0.00014	0.0000073	0.000006	0.000095	0.00011	0.0008	0.0016	0.00047	0.00058
22	August	0.00011	2.3	0.014	0.000001	0.00025	0.00095	0.92	0.00012	0.0000075	0.000008	0.00012	0.00013	0.00063	0.0016	0.00046	0.00079
22	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1	0.00014	0.000013	0.0000093	0.00012	0.00012	0.00075	0.0014	0.00041	0.00099
22	October	0.00015	2.9	0.013	0.0000011	0.00041	0.0016	1.1	0.00013	0.000027	0.000012	0.00012	0.00015	0.00098	0.0020	0.00052	0.00090
22	November	0.0001	2.9	0.009	0.00000092	0.00023	0.0014	1.1	0.00013	0.000016	0.0000058	0.000068	0.00014	0.00058	0.0015	0.00071	0.00047
22	December	0.0001	2.8	0.009	0.00000089	0.00024	0.0014	1.1	0.00013	0.000016	0.0000083	0.000061	0.00014	0.00058	0.0015	0.00071	0.00044

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.0001	2.9	0.009	0.00000093	0.00023	0.0014	1.1	0.00014	0.000016	0.0000053	0.000071	0.00014	0.00059	0.0015	0.00071	0.00051
23	February	0.000061	3.0	0.011	0.00000081	0.00031	0.0015	1.2	0.00012	0.000019	0.0000086	0.000079	0.00014	0.00044	0.0021	0.00079	0.00076
23	March	0.000061	3.0	0.011	0.0000008	0.00028	0.0015	1.2	0.00011	0.000019	0.0000042	0.000077	0.00013	0.00044	0.0020	0.00079	0.00065
23	April	0.000063	3.0	0.011	0.00000094	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00045	0.0021	0.00078	0.00120
23	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0014	1	0.00013	0.0000066	0.00001	0.000094	0.00011	0.00065	0.0016	0.00026	0.00062
23	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0013	1	0.00012	0.0000065	0.0000096	0.000089	0.00011	0.00065	0.0015	0.00026	0.00057
23	July	0.00011	2.7	0.014	0.000001	0.00028	0.0012	1	0.00014	0.0000074	0.0000073	0.000093	0.00012	0.0008	0.0016	0.00047	0.00061
23	August	0.00011	2.3	0.014	0.000001	0.00025	0.00095	0.92	0.00013	0.0000075	0.0000077	0.00011	0.00013	0.00063	0.0016	0.00046	0.00078
23	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000088	0.00011	0.00012	0.00075	0.0014	0.00041	0.00098
23	October	0.00015	2.9	0.013	0.0000011	0.00042	0.0017	1.1	0.00013	0.000027	0.000012	0.00011	0.00015	0.00098	0.0020	0.00052	0.00091
23	November	0.0001	2.9	0.009	0.00000092	0.00024	0.0014	1.1	0.00013	0.000016	0.0000067	0.000067	0.00014	0.00058	0.0015	0.00071	0.00049
23	December	0.0001	2.8	0.009	0.00000088	0.00023	0.0014	1.1	0.00013	0.000016	0.0000067	0.000057	0.00014	0.00058	0.0015	0.00071	0.00041
24	January	0.0001	2.9	0.009	0.00000094	0.00025	0.0014	1.1	0.00014	0.000016	0.0000073	0.000073	0.00015	0.00059	0.0015	0.00071	0.00057
24	February	0.000061	3.0	0.011	0.00000081	0.00029	0.0015	1.2	0.00012	0.000019	0.0000054	0.00008	0.00013	0.00044	0.0021	0.00079	0.00070
24	March	0.000061	3.0	0.011	0.00000081	0.0003	0.0015	1.2	0.00012	0.000019	0.0000075	0.000081	0.00013	0.00044	0.0021	0.00079	0.00075
24	April	0.000063	3.0	0.011	0.00000094	0.00036	0.0015	1.2	0.00014	0.00002	0.000012	0.00012	0.00014	0.00045	0.0021	0.00078	0.00110
24	May	0.00013	2.7	0.011	0.0000015	0.00025	0.0014	1	0.00013	0.0000067	0.00001	0.000097	0.00011	0.00065	0.0016	0.00026	0.00062
24	June	0.00013	2.7	0.011	0.0000015	0.00024	0.0014	1	0.00012	0.0000066	0.0000096	0.000091	0.00011	0.00065	0.0016	0.00026	0.00057
24	July	0.00011	2.8	0.014	0.000001	0.00027	0.0012	1	0.00014	0.0000074	0.0000068	0.000095	0.00012	0.0008	0.0016	0.00047	0.00060
24	August	0.00011	2.3	0.014	0.000001	0.00025	0.00097	0.92	0.00013	0.0000076	0.0000076	0.00011	0.00013	0.00064	0.0016	0.00046	0.00078
24	September	0.00021	2.6	0.013	0.0000011	0.00031	0.0012	1.1	0.00014	0.000013	0.0000088	0.00012	0.00012	0.00075	0.0014	0.00041	0.00098
24	October	0.00015	2.9	0.013	0.0000011	0.00042	0.0017	1.1	0.00013	0.000027	0.000012	0.00011	0.00015	0.00098	0.0020	0.00052	0.00091
24	November	0.0001	2.9	0.009	0.00000093	0.00025	0.0014	1.1	0.00013	0.000016	0.0000081	0.000069	0.00014	0.00058	0.0015	0.00071	0.00051
24	December	0.0001	2.9	0.009	0.00000088	0.00022	0.0014	1.1	0.00013	0.000016	0.0000051	0.000057	0.00014	0.00058	0.0015	0.00071	0.00038
25	January	0.0001	2.9	0.009	0.00000095	0.00024	0.0015	1.1	0.00014	0.000016	0.0000081	0.000075	0.00015	0.00059	0.0016	0.00071	0.00064
25	February	0.000062	3.0	0.011	0.00000079	0.00027	0.0016	1.2	0.00012	0.000019	0.0000042	0.000075	0.00013	0.00044	0.0021	0.00079	0.00065
25	March	0.000061	3.0	0.011	0.00000078	0.00028	0.0016	1.2	0.00011	0.000019	0.0000075	0.00007	0.00013	0.00044	0.0021	0.00079	0.00066
25	April	0.000064	3.0	0.011	0.0000009	0.00031	0.0018	1.2	0.00013	0.00002	0.0000098	0.00011	0.00014	0.00045	0.0022	0.00078	0.00110
25	May	0.00013	2.7	0.011	0.0000015	0.00022	0.0015	1	0.00012	0.0000067	0.0000088	0.000097	0.00011	0.00065	0.0017	0.00026	0.00065
25	June	0.00013	2.7	0.011	0.0000015	0.00022	0.0015	1	0.00012	0.0000065	0.0000085	0.000089	0.00011	0.00065	0.0016	0.00026	0.00057
25	July	0.00011	2.7	0.014	0.000001	0.00027	0.0014	1	0.00014	0.0000074	0.000009	0.000094	0.00012	0.0008	0.0017	0.00047	0.00070
25	August	0.00011	2.3	0.014	0.000001	0.00024	0.0012	0.92	0.00012	0.0000076	0.00001	0.00011	0.00014	0.00064	0.0017	0.00046	0.00090
25	September	0.00021	2.6	0.013	0.0000011	0.00029	0.0015	1.1	0.00014	0.000013	0.00001	0.00011	0.00013	0.00075	0.0016	0.00041	0.00110
25	October	0.00015	2.9	0.013	0.000001	0.00039	0.0018	1.1	0.00012	0.000027	0.000013	0.0001	0.00015	0.00098	0.0021	0.00052	0.00089
25	November	0.0001	2.8	0.009	0.00000093	0.00025	0.0014	1.1	0.00013	0.000016	0.000011	0.000067	0.00015	0.00058	0.0016	0.00071	0.00052
25	December	0.0001	2.9	0.009	0.00000091	0.00023	0.0014	1.1	0.00013	0.000016	0.0000066	0.000069	0.00014	0.00058	0.0016	0.00071	0.00052
26	January	0.0001	2.9	0.009	0.00000091	0.00022	0.0015	1.1	0.00013	0.000016	0.000007	0.000062	0.00015	0.00058	0.0016	0.00071	0.00052
26	February	0.000061	3.0	0.011	0.00000076	0.00026	0.0017	1.2	0.00011	0.000019	0.0000041	0.000063	0.00013	0.00044	0.0021	0.00079	0.00057
26	March	0.000063	3.0	0.011	0.0000008	0.00027	0.0018	1.2	0.00011	0.000019	0.0000061	0.000078	0.00013	0.00044	0.0023	0.00079	0.00079
26	April	0.000065	3.0	0.011	0.00000089	0.00029	0.0021	1.2	0.00012	0.00002	0.0000086	0.0001	0.00014	0.00045	0.0025	0.00078	0.00110
26	May	0.00013	2.7	0.011	0.0000015	0.0002	0.0018	1	0.00012	0.0000067	0.0000078	0.000092	0.00011	0.00066	0.0019	0.00026	0.00066
26	June	0.00013	2.7	0.011	0.0000015	0.0002	0.0017	1	0.00012	0.0000065	0.0000074	0.000085	0.00011	0.00066	0.0018	0.00026	0.00058
26	July	0.00011	2.7	0.014	0.00000099	0.00025	0.0017	1	0.00014	0.0000074	0.0000078	0.00009	0.00012	0.0008	0.0019	0.00047	0.00071
26	August	0.00011	2.3	0.015	0.000001	0.00022	0.0016	0.92	0.00012	0.0000075	0.0000088	0.00011	0.00014	0.00064	0.0020	0.00046	0.00091
26	September	0.00022	2.6	0.013	0.000001	0.00026	0.0018	1	0.00013	0.000013	0.0000082	0.0001	0.00013	0.00075	0.0018	0.00041	0.00100
26	October	0.00016	2.9	0.013	0.000001	0.00036	0.0021	1.1	0.00011	0.000027	0.000011	0.00009	0.00015	0.00098	0.0023	0.00052	0.00085
26	November	0.0001	2.8	0.009	0.00000093	0.00023	0.0016	1.1	0.00013	0.000016	0.000009	0.000068	0.00015	0.00058	0.0017	0.00071	0.00057
26	December	0.0001	2.8	0.009	0.0000009	0.00023	0.0015	1.1	0.00013	0.000016	0.0000098	0.00006	0.00015	0.00058	0.0016	0.00071	0.00049
27	January	0.000098	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000051	0.000049	0.00014	0.00058	0.0015	0.00071	0.00034
27	February	0.000055	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00043
27	March	0.000054	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00042
27	April	0.000055	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
27	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
27	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
27	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
27	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
27	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00028
27	November	0.000096	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
27	December	0.000096	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
28	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
28	February	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00043
28	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00042
28	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
28	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
28	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
28	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
28	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021
28	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
28	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00028
28	November	0.000095	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
28	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
29	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
29	February	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00043
29	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00042
29	April	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
29	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00015
29	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
29	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
29	August	0.0001	2.3	0.014	0.00000085	0.00018	0.00093	0.86	0.000091	0.0000061	0.0000049	0.000049	0.00012	0.00062	0.0015	0.00047	0.00021
29	September	0.00021	2.6	0.013	0.00000086	0.00022	0.0012	0.99	0.00011	0.000012	0.0000042	0.000047	0.00011	0.00074	0.0013	0.00041	0.00035
29	October	0.00015	2.9	0.013	0.00000086	0.00033	0.0016	1.1	0.000091	0.000026	0.0000069	0.000047	0.00014	0.00097	0.0020	0.00052	0.00028
29	November	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
29	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
30	January	0.000097	2.9	0.009	0.00000087	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000048	0.00014	0.00058	0.0015	0.00071	0.00033
30	February	0.000054	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00043
30	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00042
30	April	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
30	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
30	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	0.99	0.0001	0.0000056	0.000005	0.000049	0.0001	0.00065	0.0015	0.00026	0.00014
30	July	0.00011	2.7	0.014	0.00000086	0.00022	0.0012	0.99	0.00012	0.0000063	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
30	August	0.0001	2.3	0.014	0.00000085	0.00019	0.00093	0.87	0.000092	0.0000061	0.000005	0.00005	0.00012	0.00063	0.0015	0.00046	0.00021
30	September	0.00021	2.6	0.013	0.00000088	0.00026	0.0012	1	0.00011	0.000012	0.0000043	0.000055	0.00012	0.00074	0.0013	0.00041	0.00035
30	October	0.00015	2.9	0.013	0.00000088	0.00037	0.0016	1.1	0.000096	0.000026	0.000007	0.000056	0.00014	0.00098	0.0020	0.00052	0.00028
30	November	0.000095	2.8	0.009	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00031
30	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
31	January	0.000096	2.9	0.009	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00033
31	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00042
31	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
31	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.0020	0.00078	0.00041
31	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
31	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
31	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.00020
31	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
31	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
31	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.0020	0.00052	0.00028
31	November	0.000095	2.8	0.009	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00030
31	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
32	January	0.000096	2.9	0.009	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00033
32	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00042
32	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
32	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.0020	0.00078	0.00041

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
32	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
32	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.00020
32	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
32	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
32	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.0020	0.00052	0.00028
32	November	0.000095	2.8	0.009	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00030
32	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
33	January	0.000096	2.9	0.009	0.00000088	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000051	0.00014	0.00059	0.0015	0.00071	0.00033
33	February	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00043	0.0020	0.00079	0.00042
33	March	0.000053	3.0	0.011	0.00000071	0.00025	0.0015	1.1	0.0001	0.000019	0.0000038	0.000049	0.00012	0.00043	0.0020	0.00079	0.00041
33	April	0.000053	2.9	0.011	0.00000075	0.00028	0.0015	1.2	0.0001	0.000019	0.0000039	0.000055	0.00013	0.00044	0.0020	0.00078	0.00041
33	May	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000054	0.0001	0.00065	0.0015	0.00026	0.00015
33	June	0.00012	2.7	0.011	0.0000014	0.0002	0.0013	1	0.0001	0.0000058	0.0000051	0.000053	0.0001	0.00065	0.0015	0.00026	0.00014
33	July	0.00011	2.7	0.014	0.00000088	0.00024	0.0012	1	0.00012	0.0000065	0.000005	0.000052	0.00011	0.00079	0.0015	0.00047	0.00020
33	August	0.0001	2.3	0.014	0.00000087	0.0002	0.00094	0.88	0.000095	0.0000062	0.000005	0.000053	0.00012	0.00063	0.0015	0.00046	0.00021
33	September	0.00021	2.6	0.013	0.00000088	0.00024	0.0012	1	0.00011	0.000012	0.0000043	0.000052	0.00011	0.00074	0.0013	0.00041	0.00035
33	October	0.00015	2.9	0.013	0.00000088	0.00035	0.0016	1.1	0.000095	0.000026	0.000007	0.000052	0.00014	0.00097	0.0020	0.00052	0.00028
33	November	0.000095	2.8	0.009	0.00000087	0.00022	0.0014	1.1	0.00012	0.000015	0.000005	0.000051	0.00014	0.00058	0.0015	0.00071	0.00030
33	December	0.000095	2.8	0.009	0.00000085	0.00021	0.0014	1.1	0.00012	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
34	January	0.000097	2.9	0.009	0.00000091	0.00023	0.0013	1.1	0.00013	0.000016	0.000005	0.00005	0.00015	0.00059	0.0015	0.00071	0.00034
34	February	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
34	March	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
34	April	0.000053	2.9	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
34	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
34	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
34	July	0.00011	2.7	0.014	0.00000087	0.00022	0.0012	0.99	0.00012	0.0000064	0.000005	0.000048	0.00011	0.00079	0.0016	0.00048	0.00020
34	August	0.0001	2.3	0.014	0.00000087	0.00018	0.00093	0.87	0.000092	0.0000061	0.0000049	0.000049	0.00012	0.00063	0.0015	0.00047	0.00021
34	September	0.00021	2.6	0.013	0.00000088	0.00023	0.0012	0.99	0.00011	0.000012	0.0000043	0.000048	0.00011	0.00074	0.0013	0.00041	0.00034
34	October	0.00015	2.9	0.013	0.00000087	0.00033	0.0016	1.1	0.000092	0.000026	0.0000069	0.000048	0.00014	0.00097	0.0020	0.00053	0.00027
34	November	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
34	December	0.000095	2.8	0.009	0.00000086	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
35	January	0.000096	2.9	0.009	0.00000088	0.00021	0.0014	1.1	0.00013	0.000015	0.0000049	0.000049	0.00014	0.00058	0.0015	0.00071	0.00031
35	February	0.000053	3.0	0.011	0.00000073	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.000049	0.00013	0.00044	0.0020	0.00079	0.00041
35	March	0.000053	3.0	0.011	0.00000072	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
35	April	0.000053	2.9	0.011	0.00000075	0.00026	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
35	May	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
35	June	0.00012	2.7	0.011	0.0000014	0.00018	0.0013	1	0.0001	0.0000057	0.000005	0.00005	0.0001	0.00065	0.0015	0.00026	0.00014
35	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
35	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
35	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00074	0.0014	0.00042	0.00034
35	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00097	0.0020	0.00053	0.00027
35	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
35	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
36	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
36	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
36	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
36	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
36	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
36	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
36	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
36	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
36	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00074	0.0014	0.00042	0.00034
36	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00097	0.0020	0.00053	0.00027
36	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
36	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
37	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
37	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
37	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
37	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
37	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
37	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
37	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
37	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
37	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
37	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
37	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
38	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
38	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
38	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
38	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
38	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
38	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
38	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
38	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
38	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
38	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
38	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
38	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
39	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
39	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
39	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
39	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
39	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
39	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
39	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
39	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
39	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
39	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
39	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
39	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
40	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
40	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
40	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
40	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
40	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
40	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
40	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
40	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
40	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
40	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
40	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
40	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
41	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
41	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
41	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
41	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
41	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
41	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
41	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
41	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
41	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
41	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
41	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
42	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
42	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
42	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
42	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
42	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
42	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
42	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
42	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
42	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
42	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
42	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
42	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
43	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
43	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
43	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
43	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
43	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
43	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
43	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
43	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
43	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
43	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
43	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
43	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
44	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
44	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
44	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
44	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
44	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
44	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
44	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
44	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
44	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
44	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
44	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
44	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
45	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
45	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
45	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
45	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
45	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
45	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
45	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
45	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
45	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
45	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
45	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
45	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
46	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
46	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
46	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
46	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
46	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
46	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
46	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
46	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
46	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
46	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
46	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
47	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
47	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
47	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
47	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
47	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
47	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
47	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
47	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
47	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
47	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
47	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
47	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
48	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
48	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
48	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
48	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
48	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
48	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
48	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
48	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
48	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
48	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
48	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
48	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
49	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
49	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
49	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
49	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
49	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
49	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
49	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
49	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
49	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
49	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
49	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
49	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
50	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
50	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
50	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
50	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
50	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
50	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
50	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
50	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
50	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
50	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
50	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
50	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
51	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
51	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
51	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
51	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
51	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
51	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
51	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
51	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
51	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
51	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
51	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
52	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
52	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
52	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
52	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
52	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
52	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
52	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
52	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
52	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
52	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
52	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
52	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
53	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
53	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
53	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
53	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
53	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
53	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
53	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
53	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
53	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
53	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
53	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
53	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
54	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
54	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
54	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
54	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
54	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
54	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
54	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
54	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
54	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
54	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
54	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
54	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
55	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
55	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
55	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
55	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
55	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
55	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
55	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
55	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
55	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
55	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
55	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
56	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
56	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
56	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
56	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
56	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
56	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
56	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
56	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
56	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
56	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
56	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
56	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
57	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
57	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
57	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
57	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
57	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
57	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
57	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
57	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
57	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
57	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
57	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
57	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
58	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
58	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
58	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
58	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
58	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
58	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
58	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
58	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
58	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
58	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
58	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
58	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
59	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
59	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
59	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
59	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
59	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
59	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
59	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
59	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
59	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
59	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
59	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
59	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
60	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
60	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
60	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
60	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
60	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
60	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
60	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
60	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
60	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
60	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
60	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
61	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
61	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
61	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
61	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
61	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
61	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
61	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
61	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
61	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
61	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
61	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
61	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
62	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
62	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
62	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
62	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
62	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
62	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
62	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
62	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
62	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
62	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
62	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
62	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
63	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
63	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
63	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
63	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
63	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
63	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
63	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
63	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
63	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
63	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
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63	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
64	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
64	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
64	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
64	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
64	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
64	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
64	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
64	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
64	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
64	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
64	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
64	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
65	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
65	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
65	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
65	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
65	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
65	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
65	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
65	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
65	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
65	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
65	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
66	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
66	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
66	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
66	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
66	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
66	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
66	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
66	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
66	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
66	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
66	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
66	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
67	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
67	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
67	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
67	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
67	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
67	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
67	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
67	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
67	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
67	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
67	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
67	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
68	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
68	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
68	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
68	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
68	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
68	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
68	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
68	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
68	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
68	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
68	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
68	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
69	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
69	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
69	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
69	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
69	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
69	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
69	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
69	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021

Table G-10: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-IN)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
69	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
69	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
69	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030
70	January	0.000096	2.9	0.009	0.00000089	0.00022	0.0014	1.1	0.00013	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00032
70	February	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.00011	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00041
70	March	0.000053	3.0	0.011	0.00000074	0.00025	0.0015	1.2	0.0001	0.000019	0.0000038	0.00005	0.00013	0.00044	0.0020	0.00079	0.00040
70	April	0.000053	2.9	0.012	0.00000081	0.00027	0.0015	1.2	0.00011	0.000019	0.0000039	0.000053	0.00013	0.00045	0.0021	0.0008	0.00040
70	May	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000052	0.00011	0.00065	0.0016	0.00027	0.00014
70	June	0.00012	2.7	0.011	0.0000014	0.00019	0.0013	1	0.0001	0.0000058	0.000005	0.000051	0.0001	0.00065	0.0015	0.00027	0.00014
70	July	0.00011	2.7	0.014	0.00000089	0.00023	0.0012	0.99	0.00012	0.0000065	0.000005	0.000049	0.00011	0.00079	0.0016	0.00048	0.00020
70	August	0.0001	2.3	0.015	0.00000089	0.00019	0.00093	0.87	0.000094	0.0000063	0.000005	0.000051	0.00013	0.00063	0.0016	0.00047	0.00021
70	September	0.00021	2.6	0.013	0.00000091	0.00023	0.0012	1	0.00011	0.000012	0.0000043	0.000049	0.00012	0.00075	0.0014	0.00042	0.00034
70	October	0.00015	2.9	0.013	0.0000009	0.00034	0.0016	1.1	0.000095	0.000026	0.000007	0.000049	0.00014	0.00098	0.0020	0.00053	0.00027
70	November	0.000095	2.8	0.009	0.00000088	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.000049	0.00014	0.00058	0.0015	0.00071	0.00030
70	December	0.000095	2.8	0.009	0.00000087	0.00021	0.0014	1.1	0.00012	0.000015	0.000005	0.00005	0.00014	0.00058	0.0015	0.00071	0.00030

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.7	0.025	0.025	0.0042	0.028	3.9	0.0016	0.18	0.00024	0.0054	0.000012	0.006	0.0000057	11	0.00053	0.00012	0.0014	0.23
-6	February	1.5	0.023	0.027	0.0038	0.025	3.5	0.0015	0.16	0.00021	0.0047	0.000011	0.0055	0.0000052	11	0.00047	0.0001	0.0013	0.21
-6	March	1.6	0.026	0.042	0.0043	0.025	3.7	0.0016	0.15	0.00023	0.0049	0.00001	0.0054	0.0000054	11	0.00048	0.0001	0.0013	0.21
-6	April	1.7	0.026	0.055	0.0044	0.024	3.6	0.0016	0.14	0.00023	0.0048	0.0000097	0.005	0.0000052	11	0.00048	0.000099	0.0013	0.21
-6	May	1.4	0.021	0.043	0.003	0.021	3.0	0.0011	0.13	0.00018	0.0038	0.0000083	0.0042	0.0000041	9.6	0.00043	0.000092	0.0011	0.20
-6	June	1.4	0.016	0.022	0.0015	0.021	3.1	0.00071	0.16	0.00016	0.0034	0.0000086	0.0043	0.0000033	9.7	0.00046	0.00011	0.0012	0.22
-6	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000034	11	0.00053	0.00013	0.0013	0.26
-6	August	2.0	0.019	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
-6	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
-6	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
-6	November	1.9	0.026	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0067	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
-6	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0067	0.000015	0.0064	0.0000063	13	0.00063	0.00014	0.0016	0.27
-5	January	2.1	0.029	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
-5	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
-5	March	2.2	0.032	0.049	0.0058	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00058	0.00013	0.0016	0.25
-5	April	2.0	0.031	0.059	0.0053	0.028	4.3	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
-5	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00045	0.000097	0.0012	0.20
-5	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
-5	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000035	11	0.00053	0.00013	0.0013	0.26
-5	August	2.0	0.019	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
-5	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
-5	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
-5	November	1.9	0.026	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0067	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
-5	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0067	0.000015	0.0064	0.0000063	13	0.00063	0.00014	0.0016	0.27
-4	January	2.1	0.029	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
-4	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
-4	March	2.2	0.032	0.049	0.0058	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00058	0.00013	0.0016	0.25
-4	April	2.0	0.031	0.059	0.0053	0.028	4.3	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
-4	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00045	0.000097	0.0012	0.20
-4	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
-4	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000035	11	0.00053	0.00013	0.0013	0.26
-4	August	2.0	0.019	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
-4	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
-4	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
-4	November	1.9	0.026	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0067	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
-4	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0067	0.000015	0.0064	0.0000063	13	0.00063	0.00014	0.0016	0.27
-3	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
-3	February	2.1	0.032	0.036	0.0056	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.000007	13	0.0006	0.00013	0.0016	0.26
-3	March	2.2	0.034	0.051	0.0058	0.031	4.8	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
-3	April	2.0	0.033	0.062	0.0054	0.028	4.4	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
-3	May	1.5	0.024	0.047	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000046	10	0.00046	0.000097	0.0012	0.20
-3	June	1.4	0.018	0.026	0.0016	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0043	0.0000035	9.8	0.00047	0.00011	0.0012	0.22
-3	July	1.7	0.018	0.019	0.0012	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000036	11	0.00053	0.00013	0.0013	0.26
-3	August	2.0	0.022	0.019	0.0013	0.029	3.9	0.0011	0.22	0.00024	0.005	0.000011	0.0055	0.0000043	12	0.00056	0.00014	0.0015	0.28
-3	September	2.0	0.024	0.02	0.0016	0.030	4.1	0.0013	0.22	0.00026	0.0057	0.000011	0.0056	0.0000046	12	0.00053	0.00014	0.0015	0.28
-3	October	1.9	0.027	0.022	0.0025	0.033	4.1	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000048	12	0.00055	0.00014	0.0014	0.27
-3	November	1.9	0.029	0.028	0.0034	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0057	0.0000059	12	0.00064	0.00015	0.0015	0.28
-3	December	2.0	0.031	0.032	0.0044	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00014	0.0016	0.27
-2	January	2.1	0.032	0.034	0.0052	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
-2	February	2.1	0.034	0.04	0.0056	0.032	4.9	0.0021	0.19	0.00031	0.0067	0.000014	0.0072	0.0000072	13	0.0006	0.00013	0.0016	0.26
-2	March	2.2	0.035	0.054	0.0059	0.031	4.9	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000072	13	0.00058	0.00013	0.0016	0.25
-2	April	2.0	0.034	0.064	0.0054	0.028	4.4	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000065	12	0.00054	0.00011	0.0015	0.23
-2	May	1.5	0.025	0.05	0.0034	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000047	10	0.00046	0.000097	0.0012	0.20
-2	June	1.4	0.019	0.028	0.0016	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000036	9.8	0.00047	0.00011	0.0012	0.22
-2	July	1.7	0.02	0.023	0.0013	0.024	3.6	0.00077	0.19	0.0002	0.004	0.0000098	0.0049	0.0000038	11	0.00053	0.00013	0.0013	0.26
-2	August	2.0	0.024	0.023	0.0014	0.029	4.0	0.0011	0.22	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	2.0	0.027	0.024	0.0016	0.030	4.1	0.0013	0.22	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
-2	October	1.9	0.03	0.026	0.0025	0.033	4.1	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
-2	November	1.9	0.031	0.031	0.0035	0.037	4.2	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.000006	12	0.00064	0.00015	0.0015	0.28
-2	December	2.0	0.032	0.034	0.0045	0.035	4.5	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000067	13	0.00064	0.00014	0.0016	0.27
-1	January	2.1	0.033	0.035	0.0052	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
-1	February	2.1	0.034	0.04	0.0056	0.032	4.9	0.0021	0.19	0.00031	0.0067	0.000014	0.0072	0.0000072	13	0.0006	0.00013	0.0016	0.26
-1	March	2.2	0.035	0.053	0.0058	0.031	4.8	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000072	13	0.00059	0.00013	0.0016	0.25
-1	April	2.0	0.032	0.062	0.0054	0.028	4.4	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
-1	May	1.5	0.023	0.046	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000045	10	0.00046	0.000097	0.0012	0.20
-1	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000035	9.8	0.00047	0.00011	0.0012	0.22
-1	July	1.7	0.018	0.02	0.0012	0.024	3.6	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000037	11	0.00053	0.00013	0.0013	0.26
-1	August	2.0	0.027	0.028	0.0015	0.029	4.0	0.0011	0.22	0.00025	0.005	0.000011	0.0055	0.0000046	12	0.00056	0.00014	0.0015	0.28
-1	September	2.0	0.031	0.032	0.0018	0.030	4.3	0.0013	0.22	0.00027	0.0057	0.000011	0.0056	0.000005	12	0.00053	0.00014	0.0015	0.28
-1	October	1.9	0.034	0.034	0.0027	0.033	4.3	0.0014	0.21	0.00026	0.0065	0.000012	0.0056	0.0000053	12	0.00055	0.00014	0.0014	0.27
-1	November	1.9	0.034	0.037	0.0036	0.037	4.3	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000063	12	0.00064	0.00015	0.0015	0.28
-1	December	2.0	0.034	0.038	0.0045	0.035	4.6	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000068	13	0.00064	0.00014	0.0016	0.27
1	January	2.1	0.034	0.037	0.0052	0.033	4.8	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000071	13	0.00061	0.00014	0.0016	0.26
1	February	2.1	0.034	0.04	0.0056	0.032	4.9	0.0021	0.19	0.00031	0.0067	0.000014	0.0072	0.0000072	13	0.0006	0.00013	0.0016	0.26
1	March	2.2	0.035	0.053	0.0058	0.031	4.9	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000072	13	0.00058	0.00013	0.0016	0.25
1	April	2.0	0.037	0.069	0.0055	0.028	4.5	0.0019	0.16	0.00029	0.0058	0.000011	0.0059	0.0000066	12	0.00054	0.00012	0.0015	0.23
1	May	1.5	0.037	0.069	0.0038	0.022	3.6	0.0013	0.14	0.00021	0.0041	0.0000089	0.0046	0.0000052	10	0.00046	0.0001	0.0012	0.20
1	June	1.5	0.037	0.058	0.0023	0.021	3.6	0.0008	0.16	0.00018	0.0035	0.0000087	0.0044	0.0000045	9.8	0.00047	0.00012	0.0012	0.22
1	July	1.7	0.041	0.058	0.002	0.024	4.1	0.00084	0.19	0.00022	0.004	0.0000099	0.005	0.0000049	11	0.00053	0.00014	0.0013	0.26
1	August	2.0	0.049	0.065	0.0022	0.029	4.6	0.0012	0.21	0.00028	0.005	0.000011	0.0056	0.0000059	12	0.00056	0.00015	0.0015	0.28
1	September	2.0	0.054	0.07	0.0026	0.029	4.9	0.0013	0.21	0.00029	0.0057	0.000011	0.0057	0.0000064	12	0.00053	0.00014	0.0015	0.28
1	October	1.9	0.058	0.074	0.0036	0.033	5.0	0.0015	0.21	0.00029	0.0065	0.000012	0.0057	0.0000068	12	0.00055	0.00014	0.0014	0.27
1	November	1.9	0.057	0.074	0.0044	0.037	5.0	0.0016	0.22	0.00029	0.0067	0.000016	0.0059	0.0000077	12	0.00064	0.00015	0.0015	0.28
1	December	2.0	0.051	0.066	0.0051	0.035	5.1	0.0018	0.21	0.0003	0.0067	0.000015	0.0065	0.0000079	13	0.00064	0.00015	0.0016	0.27
2	January	2.1	0.046	0.058	0.0057	0.033	5.2	0.002	0.2	0.00032	0.0067	0.000015	0.0071	0.0000079	13	0.00061	0.00014	0.0016	0.26
2	February	2.2	0.043	0.054	0.006	0.032	5.2	0.0021	0.19	0.00032	0.0067	0.000014	0.0073	0.0000078	13	0.0006	0.00014	0.0016	0.26
2	March	2.2	0.04	0.062	0.006	0.031	5.0	0.0021	0.18	0.00032	0.0065	0.000013	0.0069	0.0000075	13	0.00059	0.00013	0.0016	0.25
2	April	2.0	0.039	0.072	0.0056	0.028	4.6	0.0019	0.16	0.00029	0.0058	0.000011	0.006	0.0000068	12	0.00054	0.00012	0.0015	0.23
2	May	1.5	0.037	0.069	0.0038	0.022	3.8	0.0013	0.14	0.00022	0.0041	0.0000089	0.0046	0.0000056	10	0.00046	0.0001	0.0012	0.20
2	June	1.5	0.037	0.058	0.0023	0.021	3.9	0.0008	0.16	0.00019	0.0035	0.0000088	0.0046	0.000005	9.9	0.00047	0.00012	0.0012	0.22
2	July	1.7	0.042	0.058	0.002	0.024	4.5	0.00084	0.19	0.00023	0.004	0.0000099	0.0052	0.0000055	11	0.00053	0.00014	0.0014	0.26
2	August	2.0	0.049	0.065	0.0022	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.0058	0.0000066	12	0.00056	0.00015	0.0015	0.28
2	September	2.1	0.054	0.069	0.0026	0.029	5.4	0.0014	0.21	0.00031	0.0057	0.000011	0.006	0.0000073	12	0.00053	0.00014	0.0015	0.28
2	October	2.0	0.059	0.074	0.0036	0.033	5.6	0.0015	0.21	0.00031	0.0065	0.000012	0.006	0.0000078	12	0.00055	0.00014	0.0014	0.27
2	November	2.0	0.059	0.077	0.0045	0.037	5.6	0.0016	0.22	0.00031	0.0067	0.000016	0.0062	0.0000088	12	0.00064	0.00015	0.0015	0.28
2	December	2.1	0.053	0.07	0.0052	0.035	5.6	0.0018	0.21	0.00032	0.0067	0.000016	0.0067	0.0000088	13	0.00064	0.00015	0.0016	0.27
3	January	2.1	0.049	0.063	0.0058	0.033	5.6	0.002	0.2	0.00033	0.0067	0.000015	0.0072	0.0000087	13	0.00061	0.00014	0.0016	0.26
3	February	2.2	0.046	0.059	0.0061	0.032	5.5	0.0021	0.19	0.00033	0.0067	0.000014	0.0074	0.0000084	13	0.0006	0.00014	0.0016	0.26
3	March	2.2	0.043	0.067	0.0061	0.031	5.3	0.0021	0.18	0.00033	0.0065	0.000013	0.007	0.0000079	13	0.00058	0.00013	0.0016	0.25
3	April	2.0	0.041	0.075	0.0056	0.028	4.8	0.0019	0.15	0.0003	0.0058	0.000011	0.006	0.0000072	12	0.00054	0.00012	0.0015	0.23
3	May	1.6	0.038	0.071	0.0038	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0047	0.0000059	10	0.00046	0.0001	0.0012	0.20
3	June	1.5	0.039	0.06	0.0023	0.021	3.9	0.00081	0.16	0.00019	0.0035	0.0000088	0.0046	0.0000054	9.9	0.00047	0.00012	0.0012	0.22
3	July	1.8	0.043	0.06	0.0021	0.024	4.5	0.00084	0.19	0.00023	0.004	0.0000099	0.0052	0.0000059	11	0.00053	0.00014	0.0014	0.26
3	August	2.1	0.05	0.067	0.0023	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.0000071	12	0.00056	0.00015	0.0015	0.28
3	September	2.1	0.055	0.071	0.0027	0.029	5.4	0.0014	0.21	0.0003	0.0057	0.000011	0.006	0.0000078	12	0.00053	0.00014	0.0015	0.28
3	October	2.0	0.06	0.076	0.0036	0.033	5.6	0.0015	0.21	0.0003	0.0065	0.000012	0.006	0.0000083	12	0.00055	0.00014	0.0014	0.27
3	November	2.0	0.061	0.081	0.0045	0.037	5.6	0.0016	0.22	0.00031	0.0067	0.000016	0.0062	0.0000094	12	0.00064	0.00015	0.0015	0.28
3	December	2.1	0.055	0.073	0.0053	0.035	5.6	0.0018	0.21	0.00032	0.0067	0.000016	0.0068	0.0000093	13	0.00064	0.00015	0.0016	0.27
4	January	2.1	0.05	0.064	0.0058	0.033	5.6	0.002	0.2	0.00033	0.0067	0.000015	0.0073	0.000009	13	0.00061	0.00014	0.0016	0.26
4	February	2.2	0.046	0.06	0.0061	0.032	5.5	0.0021	0.19	0.00033	0.0067	0.000014	0.0074	0.0000087	13	0.0006	0.00014	0.0016	0.26
4	March	2.2	0.045	0.069	0.0062	0.031	5.4	0.0021	0.18	0.00033	0.0065	0.000013	0.007	0.0000083	13	0.00059	0.00013	0.0016	0.25
4	April	2.0	0.042	0.078	0.0057	0.028	4.9	0.0019	0.16	0.0003	0.0058	0.000011	0.0061	0.0000076	12	0.00054	0.00012	0.0015	0.23

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	1.6	0.039	0.072	0.0039	0.022	4.0	0.0013	0.14	0.00022	0.0041	0.0000089	0.0047	0.0000064	10	0.00046	0.0001	0.0012	0.20
4	June	1.5	0.04	0.062	0.0024	0.021	4.0	0.00081	0.16	0.0002	0.0035	0.0000088	0.0047	0.0000059	9.9	0.00047	0.00012	0.0012	0.22
4	July	1.8	0.045	0.063	0.0021	0.024	4.6	0.00085	0.19	0.00023	0.004	0.0000099	0.0053	0.0000065	11	0.00053	0.00014	0.0014	0.26
4	August	2.1	0.052	0.069	0.0023	0.029	5.2	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.0000079	12	0.00056	0.00015	0.0015	0.28
4	September	2.1	0.057	0.074	0.0027	0.029	5.6	0.0014	0.21	0.00031	0.0057	0.000011	0.0061	0.0000088	12	0.00053	0.00014	0.0015	0.28
4	October	2.0	0.061	0.078	0.0037	0.033	5.7	0.0015	0.21	0.00031	0.0065	0.000012	0.0061	0.0000094	12	0.00055	0.00014	0.0015	0.27
4	November	2.0	0.062	0.083	0.0046	0.037	5.8	0.0016	0.22	0.00032	0.0067	0.000016	0.0063	0.000011	12	0.00064	0.00015	0.0015	0.28
4	December	2.1	0.058	0.077	0.0054	0.035	5.9	0.0018	0.21	0.00033	0.0067	0.000016	0.0069	0.00001	13	0.00064	0.00015	0.0016	0.27
5	January	2.2	0.053	0.069	0.0059	0.033	5.8	0.002	0.2	0.00034	0.0067	0.000015	0.0074	0.00001	13	0.00061	0.00014	0.0016	0.26
5	February	2.2	0.05	0.067	0.0062	0.032	5.8	0.0021	0.19	0.00034	0.0067	0.000014	0.0075	0.0000097	13	0.0006	0.00014	0.0017	0.26
5	March	2.2	0.049	0.075	0.0063	0.031	5.6	0.0021	0.18	0.00034	0.0065	0.000013	0.0071	0.0000092	13	0.00059	0.00013	0.0016	0.25
5	April	2.1	0.045	0.082	0.0058	0.028	5.0	0.0019	0.16	0.00031	0.0058	0.000011	0.0061	0.0000083	12	0.00054	0.00012	0.0015	0.23
5	May	1.6	0.04	0.074	0.0039	0.022	4.0	0.0013	0.14	0.00022	0.0041	0.0000089	0.0047	0.0000069	10	0.00046	0.0001	0.0012	0.20
5	June	1.5	0.04	0.063	0.0024	0.021	4.0	0.00081	0.16	0.0002	0.0035	0.0000088	0.0047	0.0000064	9.9	0.00047	0.00012	0.0012	0.22
5	July	1.8	0.045	0.064	0.0022	0.024	4.6	0.00085	0.19	0.00023	0.004	0.0000099	0.0053	0.0000071	11	0.00053	0.00014	0.0014	0.26
5	August	2.1	0.052	0.07	0.0024	0.029	5.2	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.0000086	12	0.00056	0.00015	0.0015	0.28
5	September	2.1	0.057	0.075	0.0027	0.029	5.5	0.0014	0.21	0.00031	0.0057	0.000011	0.0061	0.0000096	12	0.00053	0.00014	0.0015	0.28
5	October	2.0	0.062	0.079	0.0037	0.033	5.7	0.0015	0.21	0.00031	0.0065	0.000012	0.0061	0.00001	12	0.00055	0.00014	0.0015	0.27
5	November	2.0	0.063	0.084	0.0046	0.037	5.8	0.0016	0.22	0.00032	0.0067	0.000016	0.0063	0.000011	12	0.00064	0.00015	0.0015	0.28
5	December	2.1	0.06	0.08	0.0055	0.035	5.9	0.0018	0.21	0.00033	0.0067	0.000016	0.0069	0.000011	13	0.00064	0.00015	0.0016	0.27
6	January	2.2	0.056	0.073	0.006	0.033	5.9	0.002	0.2	0.00034	0.0067	0.000015	0.0074	0.000011	13	0.00061	0.00014	0.0016	0.26
6	February	2.2	0.053	0.071	0.0063	0.032	5.8	0.0021	0.19	0.00034	0.0067	0.000014	0.0075	0.000011	13	0.0006	0.00014	0.0017	0.26
6	March	2.2	0.052	0.08	0.0065	0.031	5.7	0.0021	0.18	0.00034	0.0065	0.000013	0.0072	0.00001	13	0.00059	0.00013	0.0016	0.25
6	April	2.1	0.049	0.088	0.0059	0.028	5.1	0.0019	0.16	0.00031	0.0058	0.000011	0.0062	0.000009	12	0.00054	0.00012	0.0015	0.23
6	May	1.6	0.042	0.077	0.004	0.022	4.1	0.0013	0.14	0.00023	0.0041	0.000009	0.0048	0.0000074	10	0.00046	0.0001	0.0012	0.20
6	June	1.5	0.041	0.064	0.0024	0.021	4.0	0.00081	0.16	0.0002	0.0035	0.0000088	0.0047	0.0000067	9.9	0.00047	0.00012	0.0012	0.22
6	July	1.8	0.045	0.064	0.0022	0.024	4.5	0.00085	0.19	0.00023	0.004	0.0000099	0.0052	0.0000074	11	0.00053	0.00014	0.0014	0.26
6	August	2.1	0.053	0.071	0.0024	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.000009	12	0.00056	0.00015	0.0015	0.28
6	September	2.1	0.058	0.075	0.0028	0.029	5.5	0.0014	0.21	0.00031	0.0057	0.000011	0.006	0.00001	12	0.00053	0.00014	0.0015	0.28
6	October	2.0	0.062	0.079	0.0037	0.033	5.6	0.0015	0.21	0.00031	0.0065	0.000012	0.006	0.000011	12	0.00055	0.00014	0.0015	0.27
6	November	2.0	0.064	0.086	0.0046	0.037	5.8	0.0016	0.22	0.00032	0.0067	0.000016	0.0063	0.000012	12	0.00064	0.00015	0.0015	0.28
6	December	2.1	0.062	0.084	0.0056	0.035	5.9	0.0018	0.21	0.00033	0.0067	0.000016	0.0069	0.000012	13	0.00064	0.00015	0.0016	0.27
7	January	2.2	0.058	0.077	0.0061	0.033	6.0	0.002	0.2	0.00034	0.0067	0.000015	0.0074	0.000012	13	0.00061	0.00014	0.0016	0.26
7	February	2.2	0.056	0.075	0.0064	0.032	5.9	0.0021	0.19	0.00035	0.0066	0.000014	0.0075	0.000011	13	0.0006	0.00014	0.0017	0.26
7	March	2.3	0.055	0.086	0.0066	0.031	5.8	0.0021	0.18	0.00035	0.0065	0.000013	0.0072	0.000011	13	0.00059	0.00013	0.0016	0.25
7	April	2.1	0.052	0.093	0.0061	0.028	5.2	0.0019	0.15	0.00032	0.0058	0.000011	0.0062	0.0000097	12	0.00054	0.00012	0.0015	0.23
7	May	1.6	0.044	0.08	0.004	0.022	4.1	0.0013	0.14	0.00023	0.0041	0.000009	0.0047	0.0000078	10	0.00046	0.00011	0.0012	0.20
7	June	1.5	0.042	0.065	0.0024	0.021	4.0	0.00081	0.16	0.0002	0.0035	0.0000088	0.0046	0.000007	10	0.00047	0.00012	0.0012	0.22
7	July	1.8	0.046	0.065	0.0022	0.024	4.5	0.00085	0.19	0.00023	0.004	0.00001	0.0052	0.0000077	11	0.00053	0.00014	0.0014	0.26
7	August	2.1	0.053	0.071	0.0024	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.0000094	12	0.00056	0.00015	0.0015	0.28
7	September	2.1	0.058	0.076	0.0028	0.029	5.5	0.0014	0.21	0.00031	0.0057	0.000011	0.006	0.00001	12	0.00053	0.00014	0.0015	0.28
7	October	2.0	0.062	0.08	0.0037	0.033	5.6	0.0015	0.21	0.00031	0.0065	0.000012	0.006	0.000011	12	0.00055	0.00014	0.0015	0.27
7	November	2.0	0.064	0.086	0.0047	0.037	5.7	0.0016	0.22	0.00032	0.0067	0.000016	0.0062	0.000012	12	0.00064	0.00015	0.0015	0.28
7	December	2.1	0.062	0.084	0.0056	0.035	5.9	0.0018	0.21	0.00033	0.0067	0.000016	0.0069	0.000013	13	0.00064	0.00015	0.0016	0.27
8	January	2.2	0.059	0.078	0.0061	0.033	6.0	0.002	0.2	0.00035	0.0067	0.000015	0.0074	0.000012	13	0.00061	0.00014	0.0016	0.26
8	February	2.2	0.056	0.075	0.0064	0.032	5.9	0.0021	0.19	0.00035	0.0067	0.000014	0.0075	0.000011	13	0.0006	0.00014	0.0017	0.26
8	March	2.3	0.054	0.084	0.0066	0.031	5.8	0.0021	0.18	0.00035	0.0065	0.000013	0.0072	0.000011	13	0.00059	0.00013	0.0016	0.25
8	April	2.1	0.053	0.094	0.0061	0.028	5.3	0.0019	0.16	0.00032	0.0058	0.000012	0.0062	0.0000097	12	0.00054	0.00012	0.0015	0.23
8	May	1.6	0.046	0.083	0.0041	0.022	4.1	0.0013	0.14	0.00023	0.0041	0.000009	0.0048	0.0000076	10	0.00046	0.00011	0.0012	0.20
8	June	1.5	0.042	0.066	0.0025	0.021	4.0	0.00082	0.16	0.0002	0.0035	0.0000088	0.0047	0.0000066	10	0.00047	0.00012	0.0012	0.22
8	July	1.8	0.046	0.066	0.0022	0.024	4.5	0.00086	0.19	0.00023	0.004	0.0000099	0.0053	0.0000072	11	0.00053	0.00014	0.0014	0.26
8	August	2.1	0.054	0.072	0.0024	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.0059	0.0000088	12	0.00056	0.00015	0.0015	0.28
8	September	2.1	0.059	0.077	0.0028	0.029	5.5	0.0014	0.21	0.00031	0.0057	0.000011	0.0061	0.0000098	12	0.00053	0.00014	0.0015	0.28
8	October	2.0	0.063	0.081	0.0037	0.033	5.6	0.0015	0.21	0.00031	0.0065	0.000012	0.0061	0.00001	12	0.00055	0.00014	0.0015	0.27
8	November	2.0	0.064	0.086	0.0047	0.037	5.7	0.0016	0.22	0.00032	0.0067	0.000016	0.0063	0.000012	12	0.00064	0.00015	0.0015	0.28
8	December	2.1	0.061	0.082	0.0055	0.035	5.8	0.0018	0.21	0.00033	0.0067	0.000016	0.0069	0.000012	13	0.00064	0.00015	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	2.2	0.057	0.075	0.0061	0.033	5.9	0.002	0.2	0.00034	0.0067	0.000015	0.0074	0.000011	13	0.00061	0.00014	0.0016	0.26
9	February	2.2	0.055	0.073	0.0064	0.032	5.9	0.0021	0.19	0.00034	0.0067	0.000014	0.0075	0.00001	13	0.0006	0.00014	0.0017	0.26
9	March	2.3	0.054	0.083	0.0066	0.031	5.8	0.0021	0.18	0.00034	0.0065	0.000013	0.0072	0.0000099	13	0.00059	0.00013	0.0016	0.25
9	April	2.1	0.053	0.094	0.0061	0.028	5.3	0.0019	0.15	0.00031	0.0058	0.000011	0.0062	0.0000089	12	0.00054	0.00012	0.0015	0.23
9	May	1.6	0.047	0.084	0.0041	0.022	4.2	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000068	10	0.00046	0.00011	0.0012	0.20
9	June	1.5	0.043	0.067	0.0025	0.021	4.1	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000057	10	0.00047	0.00012	0.0012	0.22
9	July	1.8	0.047	0.066	0.0022	0.024	4.6	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000062	11	0.00053	0.00014	0.0014	0.26
9	August	2.1	0.054	0.073	0.0024	0.029	5.2	0.0012	0.21	0.00028	0.005	0.000011	0.0059	0.0000075	12	0.00056	0.00015	0.0015	0.28
9	September	2.1	0.059	0.077	0.0028	0.029	5.6	0.0014	0.21	0.0003	0.0057	0.000011	0.0061	0.0000083	12	0.00053	0.00014	0.0015	0.28
9	October	2.0	0.063	0.081	0.0037	0.033	5.7	0.0015	0.21	0.0003	0.0065	0.000012	0.0061	0.0000088	12	0.00055	0.00014	0.0014	0.27
9	November	2.0	0.064	0.086	0.0047	0.037	5.8	0.0016	0.22	0.00031	0.0067	0.000016	0.0063	0.0000099	12	0.00064	0.00015	0.0015	0.28
9	December	2.1	0.059	0.079	0.0055	0.035	5.8	0.0018	0.21	0.00032	0.0067	0.000016	0.0069	0.0000099	13	0.00064	0.00015	0.0016	0.27
10	January	2.2	0.055	0.071	0.006	0.033	5.8	0.002	0.2	0.00033	0.0067	0.000015	0.0074	0.0000096	13	0.00061	0.00014	0.0016	0.26
10	February	2.2	0.054	0.073	0.0064	0.032	5.8	0.0021	0.19	0.00034	0.0066	0.000014	0.0075	0.0000093	13	0.0006	0.00014	0.0017	0.26
10	March	2.2	0.054	0.084	0.0066	0.031	5.7	0.0022	0.18	0.00034	0.0065	0.000013	0.0072	0.000009	13	0.00059	0.00013	0.0016	0.25
10	April	2.1	0.053	0.095	0.0061	0.028	5.2	0.002	0.15	0.00031	0.0058	0.000011	0.0062	0.0000082	12	0.00054	0.00012	0.0015	0.23
10	May	1.6	0.046	0.084	0.0041	0.022	4.1	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000063	10	0.00046	0.00011	0.0012	0.20
10	June	1.5	0.042	0.066	0.0025	0.021	4.0	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000053	9.9	0.00047	0.00012	0.0012	0.22
10	July	1.8	0.046	0.066	0.0022	0.024	4.6	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000057	11	0.00053	0.00014	0.0014	0.26
10	August	2.1	0.054	0.072	0.0024	0.029	5.2	0.0012	0.21	0.00028	0.005	0.000011	0.0059	0.0000069	12	0.00056	0.00015	0.0015	0.28
10	September	2.1	0.059	0.077	0.0028	0.029	5.6	0.0014	0.21	0.0003	0.0057	0.000011	0.0061	0.0000076	12	0.00053	0.00014	0.0015	0.28
10	October	2.0	0.063	0.081	0.0037	0.033	5.7	0.0015	0.21	0.0003	0.0065	0.000012	0.0061	0.0000081	12	0.00055	0.00014	0.0014	0.27
10	November	2.0	0.064	0.086	0.0047	0.037	5.8	0.0016	0.22	0.00031	0.0067	0.000016	0.0063	0.0000092	12	0.00064	0.00015	0.0015	0.28
10	December	2.1	0.059	0.079	0.0055	0.035	5.8	0.0018	0.21	0.00032	0.0067	0.000016	0.0069	0.0000093	13	0.00064	0.00015	0.0016	0.27
11	January	2.2	0.056	0.072	0.006	0.033	5.8	0.002	0.2	0.00033	0.0067	0.000015	0.0074	0.0000091	13	0.00061	0.00014	0.0016	0.26
11	February	2.2	0.054	0.073	0.0064	0.032	5.8	0.0022	0.19	0.00034	0.0066	0.000014	0.0075	0.000009	13	0.0006	0.00014	0.0017	0.26
11	March	2.2	0.054	0.084	0.0066	0.031	5.7	0.0022	0.18	0.00034	0.0065	0.000013	0.0072	0.0000087	13	0.00058	0.00013	0.0016	0.25
11	April	2.1	0.053	0.095	0.0061	0.028	5.2	0.002	0.15	0.00031	0.0058	0.000011	0.0062	0.000008	12	0.00054	0.00012	0.0015	0.23
11	May	1.6	0.046	0.084	0.0041	0.022	4.1	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000062	10	0.00046	0.00011	0.0012	0.20
11	June	1.5	0.042	0.066	0.0025	0.021	4.0	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000052	9.9	0.00047	0.00012	0.0012	0.22
11	July	1.8	0.046	0.066	0.0022	0.024	4.5	0.00085	0.19	0.00022	0.004	0.0000099	0.0053	0.0000056	11	0.00053	0.00014	0.0014	0.26
11	August	2.1	0.054	0.072	0.0024	0.029	5.1	0.0012	0.21	0.00028	0.005	0.000011	0.006	0.0000068	12	0.00056	0.00015	0.0015	0.28
11	September	2.1	0.059	0.076	0.0028	0.029	5.5	0.0014	0.21	0.0003	0.0057	0.000011	0.0061	0.0000076	12	0.00053	0.00014	0.0015	0.28
11	October	2.0	0.063	0.081	0.0037	0.033	5.7	0.0015	0.21	0.0003	0.0065	0.000012	0.0061	0.0000081	12	0.00055	0.00014	0.0014	0.27
11	November	2.0	0.064	0.085	0.0047	0.037	5.7	0.0016	0.22	0.00031	0.0067	0.000016	0.0064	0.0000091	12	0.00064	0.00015	0.0015	0.28
11	December	2.1	0.06	0.08	0.0055	0.035	5.8	0.0018	0.21	0.00032	0.0067	0.000016	0.0069	0.0000093	13	0.00064	0.00015	0.0016	0.27
12	January	2.2	0.056	0.074	0.0061	0.033	5.8	0.002	0.2	0.00033	0.0067	0.000015	0.0074	0.0000091	13	0.00061	0.00014	0.0016	0.26
12	February	2.2	0.054	0.072	0.0064	0.032	5.8	0.0021	0.19	0.00034	0.0067	0.000014	0.0076	0.000009	13	0.0006	0.00014	0.0017	0.26
12	March	2.2	0.054	0.084	0.0066	0.031	5.7	0.0022	0.18	0.00034	0.0065	0.000013	0.0072	0.0000087	13	0.00059	0.00013	0.0016	0.25
12	April	2.1	0.054	0.096	0.0061	0.028	5.2	0.002	0.15	0.00031	0.0058	0.000011	0.0062	0.000008	12	0.00054	0.00012	0.0015	0.23
12	May	1.6	0.046	0.083	0.0041	0.022	4.1	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000062	10	0.00046	0.00011	0.0012	0.20
12	June	1.5	0.042	0.066	0.0025	0.021	4.0	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000053	9.9	0.00047	0.00012	0.0012	0.22
12	July	1.8	0.047	0.066	0.0022	0.024	4.5	0.00086	0.19	0.00023	0.004	0.0000099	0.0053	0.0000057	11	0.00053	0.00014	0.0014	0.26
12	August	2.1	0.054	0.072	0.0024	0.029	5.1	0.0012	0.21	0.00029	0.005	0.000011	0.006	0.0000069	12	0.00056	0.00015	0.0015	0.28
12	September	2.1	0.059	0.077	0.0028	0.029	5.5	0.0014	0.21	0.00031	0.0057	0.000011	0.0061	0.0000076	12	0.00053	0.00014	0.0015	0.28
12	October	2.0	0.063	0.081	0.0037	0.033	5.6	0.0015	0.21	0.0003	0.0065	0.000012	0.0061	0.0000081	12	0.00055	0.00014	0.0014	0.27
12	November	2.0	0.063	0.084	0.0046	0.037	5.7	0.0016	0.22	0.00031	0.0067	0.000016	0.0064	0.0000091	12	0.00064	0.00015	0.0015	0.28
12	December	2.1	0.058	0.077	0.0054	0.035	5.7	0.0018	0.21	0.00032	0.0067	0.000016	0.0069	0.0000092	13	0.00064	0.00015	0.0016	0.27
13	January	2.2	0.056	0.073	0.006	0.033	5.7	0.002	0.2	0.00033	0.0067	0.000015	0.0074	0.0000091	13	0.00061	0.00015	0.0016	0.26
13	February	2.2	0.054	0.072	0.0064	0.032	5.7	0.0022	0.19	0.00034	0.0067	0.000014	0.0076	0.000009	13	0.0006	0.00014	0.0017	0.26
13	March	2.2	0.054	0.083	0.0065	0.031	5.6	0.0022	0.18	0.00034	0.0065	0.000013	0.0072	0.0000088	13	0.00059	0.00013	0.0016	0.25
13	April	2.1	0.053	0.094	0.0061	0.028	5.1	0.002	0.15	0.00031	0.0058	0.000011	0.0062	0.0000081	12	0.00054	0.00012	0.0015	0.23
13	May	1.6	0.046	0.084	0.0041	0.022	4.1	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000063	10	0.00046	0.00011	0.0012	0.20
13	June	1.5	0.042	0.066	0.0025	0.021	4.0	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000054	9.9	0.00047	0.00012	0.0012	0.22
13	July	1.8	0.047	0.066	0.0022	0.024	4.5	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000058	11	0.00053	0.00014	0.0014	0.26
13	August	2.1	0.054	0.073	0.0024	0.029	5.1	0.0012	0.21	0.00028	0.005	0.000011	0.006	0.0000071	12	0.00056	0.00015	0.0015	0.28

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	2.1	0.059	0.077	0.0028	0.029	5.4	0.0014	0.21	0.0003	0.0057	0.000011	0.0061	0.0000078	12	0.00053	0.00014	0.0015	0.28
13	October	2.0	0.063	0.081	0.0037	0.033	5.5	0.0015	0.21	0.0003	0.0065	0.000012	0.0061	0.0000083	12	0.00055	0.00014	0.0015	0.27
13	November	2.0	0.063	0.084	0.0046	0.037	5.6	0.0016	0.22	0.0003	0.0067	0.000016	0.0064	0.0000094	12	0.00064	0.00015	0.0015	0.28
13	December	2.1	0.057	0.076	0.0054	0.035	5.6	0.0018	0.21	0.00032	0.0067	0.000016	0.0069	0.0000093	13	0.00064	0.00015	0.0016	0.27
14	January	2.2	0.054	0.07	0.006	0.033	5.7	0.002	0.2	0.00033	0.0067	0.000015	0.0074	0.0000092	13	0.00061	0.00014	0.0016	0.26
14	February	2.2	0.054	0.073	0.0064	0.032	5.7	0.0021	0.19	0.00033	0.0066	0.000014	0.0076	0.0000091	13	0.0006	0.00014	0.0017	0.26
14	March	2.2	0.054	0.084	0.0066	0.031	5.6	0.0022	0.18	0.00034	0.0065	0.000013	0.0072	0.0000089	13	0.00059	0.00013	0.0016	0.25
14	April	2.1	0.052	0.093	0.0061	0.028	5.0	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000081	12	0.00054	0.00012	0.0015	0.23
14	May	1.6	0.045	0.082	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000063	10	0.00046	0.00011	0.0012	0.20
14	June	1.5	0.043	0.066	0.0025	0.021	3.8	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000055	9.9	0.00047	0.00012	0.0012	0.22
14	July	1.8	0.047	0.066	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.000006	11	0.00053	0.00014	0.0014	0.26
14	August	2.1	0.055	0.075	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000072	12	0.00056	0.00015	0.0015	0.28
14	September	2.1	0.062	0.082	0.0029	0.029	5.2	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.000008	12	0.00053	0.00015	0.0015	0.28
14	October	2.0	0.068	0.089	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000084	12	0.00055	0.00015	0.0015	0.27
14	November	2.0	0.067	0.091	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.0000092	12	0.00064	0.00017	0.0015	0.28
14	December	2.1	0.06	0.081	0.0055	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000092	13	0.00064	0.00016	0.0016	0.27
15	January	2.2	0.056	0.074	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000091	13	0.00061	0.00015	0.0016	0.26
15	February	2.2	0.055	0.074	0.0064	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.000009	13	0.0006	0.00014	0.0017	0.26
15	March	2.2	0.054	0.086	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000088	13	0.00058	0.00014	0.0016	0.25
15	April	2.1	0.052	0.095	0.0061	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000081	12	0.00054	0.00012	0.0015	0.23
15	May	1.6	0.045	0.083	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000064	10	0.00046	0.00011	0.0012	0.20
15	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000056	9.9	0.00047	0.00012	0.0012	0.22
15	July	1.8	0.047	0.066	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000061	11	0.00053	0.00014	0.0014	0.26
15	August	2.1	0.054	0.073	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000074	12	0.00056	0.00015	0.0015	0.28
15	September	2.1	0.062	0.081	0.0029	0.029	5.2	0.0014	0.21	0.00029	0.0057	0.000011	0.0061	0.0000082	12	0.00053	0.00015	0.0015	0.28
15	October	2.0	0.068	0.089	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000086	12	0.00055	0.00015	0.0015	0.27
15	November	2.0	0.067	0.092	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0063	0.0000094	12	0.00064	0.00017	0.0015	0.28
15	December	2.1	0.06	0.081	0.0055	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000093	13	0.00064	0.00016	0.0016	0.27
16	January	2.2	0.056	0.073	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000091	13	0.00061	0.00015	0.0016	0.26
16	February	2.2	0.055	0.073	0.0064	0.032	5.4	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.000009	13	0.0006	0.00014	0.0017	0.26
16	March	2.2	0.055	0.084	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000088	13	0.00059	0.00014	0.0016	0.25
16	April	2.1	0.053	0.096	0.0061	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000081	12	0.00054	0.00012	0.0015	0.23
16	May	1.6	0.046	0.084	0.0041	0.022	3.8	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000063	10	0.00046	0.00011	0.0012	0.20
16	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000055	9.9	0.00047	0.00012	0.0012	0.22
16	July	1.8	0.047	0.067	0.0022	0.024	4.2	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.000006	11	0.00053	0.00014	0.0014	0.26
16	August	2.1	0.055	0.074	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000073	12	0.00056	0.00015	0.0015	0.28
16	September	2.1	0.062	0.082	0.0029	0.029	5.1	0.0014	0.21	0.00029	0.0057	0.000011	0.0061	0.0000081	12	0.00053	0.00015	0.0015	0.28
16	October	2.0	0.069	0.09	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000085	12	0.00055	0.00015	0.0015	0.27
16	November	2.0	0.068	0.093	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.0000094	12	0.00064	0.00017	0.0015	0.28
16	December	2.1	0.062	0.083	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000093	13	0.00064	0.00016	0.0016	0.27
17	January	2.2	0.058	0.076	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000092	13	0.00061	0.00015	0.0016	0.26
17	February	2.2	0.056	0.075	0.0065	0.032	5.4	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.0000091	13	0.0006	0.00014	0.0017	0.26
17	March	2.2	0.056	0.088	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000089	13	0.00059	0.00014	0.0016	0.25
17	April	2.1	0.054	0.096	0.0062	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000082	12	0.00054	0.00012	0.0015	0.23
17	May	1.6	0.046	0.084	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000064	10	0.00046	0.00011	0.0012	0.20
17	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000056	9.9	0.00047	0.00012	0.0012	0.22
17	July	1.8	0.047	0.067	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000061	11	0.00053	0.00014	0.0014	0.26
17	August	2.1	0.055	0.074	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000074	12	0.00056	0.00015	0.0015	0.28
17	September	2.1	0.062	0.082	0.0029	0.029	5.1	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000082	12	0.00053	0.00015	0.0015	0.28
17	October	2.0	0.069	0.09	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000087	12	0.00055	0.00015	0.0015	0.27
17	November	2.0	0.069	0.094	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.0000095	12	0.00064	0.00017	0.0015	0.28
17	December	2.1	0.062	0.083	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000094	13	0.00064	0.00016	0.0016	0.27
18	January	2.2	0.058	0.076	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000092	13	0.00061	0.00015	0.0016	0.26
18	February	2.2	0.056	0.076	0.0065	0.032	5.4	0.0022	0.19	0.00033	0.0066	0.000014	0.0076	0.0000092	13	0.0006	0.00014	0.0017	0.26
18	March	2.2	0.056	0.088	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.000009	13	0.00059	0.00014	0.0016	0.25
18	April	2.1	0.054	0.096	0.0061	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000082	12	0.00054	0.00012	0.0015	0.23

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	1.6	0.046	0.084	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000064	10	0.00046	0.00011	0.0012	0.20
18	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000056	9.9	0.00047	0.00012	0.0012	0.22
18	July	1.8	0.047	0.067	0.0022	0.024	4.3	0.00087	0.19	0.00022	0.004	0.0000099	0.0053	0.0000061	11	0.00053	0.00014	0.0014	0.26
18	August	2.1	0.056	0.075	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000075	12	0.00056	0.00015	0.0015	0.28
18	September	2.1	0.062	0.083	0.0029	0.029	5.1	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000083	12	0.00053	0.00015	0.0015	0.28
18	October	2.0	0.068	0.09	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000087	12	0.00055	0.00015	0.0015	0.27
18	November	2.0	0.068	0.093	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0063	0.0000096	12	0.00064	0.00017	0.0015	0.28
18	December	2.1	0.063	0.084	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000095	13	0.00064	0.00016	0.0016	0.27
19	January	2.2	0.058	0.077	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000093	13	0.00062	0.00015	0.0016	0.26
19	February	2.2	0.057	0.077	0.0065	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.0000092	13	0.0006	0.00015	0.0017	0.26
19	March	2.2	0.056	0.088	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.000009	13	0.00059	0.00014	0.0016	0.25
19	April	2.1	0.054	0.097	0.0062	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000082	12	0.00054	0.00012	0.0015	0.23
19	May	1.6	0.046	0.084	0.0041	0.022	3.8	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000064	10	0.00046	0.00011	0.0012	0.20
19	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000056	9.9	0.00047	0.00012	0.0012	0.22
19	July	1.8	0.047	0.067	0.0022	0.024	4.3	0.00087	0.19	0.00022	0.004	0.0000099	0.0053	0.0000061	11	0.00053	0.00014	0.0014	0.26
19	August	2.1	0.055	0.075	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000075	12	0.00056	0.00015	0.0015	0.28
19	September	2.1	0.062	0.082	0.0029	0.029	5.1	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000083	12	0.00053	0.00015	0.0015	0.28
19	October	2.0	0.068	0.09	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000088	12	0.00055	0.00015	0.0015	0.27
19	November	2.0	0.069	0.093	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.0000096	12	0.00064	0.00017	0.0015	0.28
19	December	2.1	0.062	0.085	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000095	13	0.00064	0.00016	0.0016	0.27
20	January	2.2	0.058	0.077	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000093	13	0.00062	0.00015	0.0016	0.26
20	February	2.2	0.057	0.077	0.0065	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0076	0.0000092	13	0.0006	0.00015	0.0017	0.26
20	March	2.2	0.056	0.088	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.000009	13	0.00059	0.00014	0.0016	0.25
20	April	2.1	0.054	0.098	0.0062	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000082	12	0.00054	0.00012	0.0015	0.23
20	May	1.6	0.046	0.084	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000064	10	0.00046	0.00011	0.0012	0.20
20	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000056	9.9	0.00047	0.00012	0.0012	0.22
20	July	1.8	0.047	0.067	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000061	11	0.00053	0.00014	0.0014	0.26
20	August	2.1	0.055	0.075	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000075	12	0.00056	0.00015	0.0015	0.28
20	September	2.1	0.062	0.082	0.0029	0.029	5.1	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000083	12	0.00053	0.00015	0.0015	0.28
20	October	2.0	0.069	0.09	0.0039	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000088	12	0.00055	0.00015	0.0015	0.27
20	November	2.0	0.069	0.095	0.0048	0.037	5.2	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.0000097	12	0.00064	0.00017	0.0015	0.28
20	December	2.1	0.063	0.086	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000095	13	0.00064	0.00016	0.0016	0.27
21	January	2.2	0.058	0.077	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000093	13	0.00062	0.00015	0.0016	0.26
21	February	2.2	0.056	0.077	0.0065	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0076	0.0000093	13	0.0006	0.00014	0.0017	0.26
21	March	2.2	0.056	0.088	0.0067	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000091	13	0.00059	0.00014	0.0016	0.25
21	April	2.1	0.054	0.098	0.0062	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000084	12	0.00054	0.00012	0.0015	0.23
21	May	1.6	0.046	0.083	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.0000089	0.0048	0.0000066	10	0.00046	0.00011	0.0012	0.20
21	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00019	0.0035	0.0000088	0.0047	0.0000058	9.9	0.00047	0.00012	0.0012	0.22
21	July	1.8	0.047	0.066	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000064	11	0.00053	0.00014	0.0014	0.26
21	August	2.1	0.055	0.074	0.0025	0.029	4.9	0.0012	0.21	0.00028	0.005	0.000011	0.006	0.0000078	12	0.00057	0.00015	0.0015	0.28
21	September	2.1	0.062	0.082	0.0029	0.029	5.2	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000087	12	0.00053	0.00015	0.0015	0.28
21	October	2.0	0.069	0.09	0.0039	0.033	5.3	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000092	12	0.00055	0.00015	0.0015	0.27
21	November	2.0	0.07	0.095	0.0049	0.037	5.3	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.00001	12	0.00064	0.00017	0.0015	0.28
21	December	2.1	0.063	0.086	0.0056	0.035	5.4	0.0019	0.21	0.00031	0.0067	0.000016	0.0069	0.0000099	13	0.00064	0.00016	0.0016	0.27
22	January	2.2	0.059	0.078	0.0062	0.033	5.5	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000096	13	0.00062	0.00015	0.0016	0.26
22	February	2.2	0.058	0.078	0.0065	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0076	0.0000095	13	0.0006	0.00015	0.0017	0.26
22	March	2.2	0.056	0.087	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000091	13	0.00059	0.00014	0.0016	0.25
22	April	2.1	0.054	0.097	0.0062	0.028	4.9	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000083	12	0.00054	0.00012	0.0015	0.23
22	May	1.6	0.047	0.085	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.000009	0.0048	0.0000066	10	0.00046	0.00011	0.0012	0.20
22	June	1.5	0.043	0.067	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000058	9.9	0.00047	0.00012	0.0012	0.22
22	July	1.8	0.047	0.066	0.0022	0.024	4.3	0.00086	0.19	0.00022	0.004	0.0000099	0.0053	0.0000064	11	0.00053	0.00014	0.0014	0.26
22	August	2.1	0.055	0.074	0.0025	0.029	4.8	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000078	12	0.00057	0.00015	0.0015	0.29
22	September	2.1	0.062	0.083	0.0029	0.029	5.2	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000087	12	0.00053	0.00015	0.0015	0.28
22	October	2.0	0.069	0.091	0.004	0.033	5.2	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000092	12	0.00055	0.00015	0.0015	0.27
22	November	2.0	0.07	0.095	0.0049	0.037	5.3	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.00001	12	0.00064	0.00017	0.0015	0.28
22	December	2.1	0.062	0.084	0.0056	0.035	5.3	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000099	13	0.00064	0.00016	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	2.2	0.057	0.075	0.0061	0.033	5.4	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000095	13	0.00062	0.00015	0.0016	0.26
23	February	2.2	0.055	0.075	0.0064	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.0000094	13	0.0006	0.00014	0.0017	0.26
23	March	2.2	0.056	0.088	0.0066	0.031	5.4	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000092	13	0.00059	0.00014	0.0016	0.25
23	April	2.1	0.054	0.097	0.0062	0.028	5.0	0.002	0.15	0.0003	0.0058	0.000011	0.0062	0.0000085	12	0.00054	0.00012	0.0015	0.23
23	May	1.6	0.046	0.084	0.0041	0.022	3.9	0.0013	0.14	0.00022	0.0041	0.000009	0.0048	0.0000067	10	0.00046	0.00011	0.0012	0.20
23	June	1.5	0.042	0.066	0.0025	0.021	3.8	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000058	9.9	0.00047	0.00012	0.0012	0.23
23	July	1.8	0.047	0.066	0.0022	0.024	4.4	0.00087	0.19	0.00022	0.004	0.00001	0.0053	0.0000064	11	0.00053	0.00014	0.0014	0.26
23	August	2.1	0.056	0.076	0.0025	0.029	4.9	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000078	12	0.00057	0.00016	0.0015	0.29
23	September	2.1	0.063	0.083	0.0029	0.029	5.3	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000087	12	0.00053	0.00015	0.0015	0.28
23	October	2.0	0.069	0.091	0.004	0.033	5.4	0.0016	0.21	0.00029	0.0065	0.000012	0.0062	0.0000092	12	0.00055	0.00015	0.0015	0.27
23	November	2.0	0.07	0.095	0.0049	0.037	5.4	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.00001	12	0.00064	0.00017	0.0015	0.28
23	December	2.1	0.063	0.085	0.0056	0.035	5.4	0.0019	0.21	0.0003	0.0067	0.000016	0.0069	0.0000099	13	0.00064	0.00016	0.0016	0.27
24	January	2.2	0.057	0.075	0.0061	0.033	5.5	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000095	13	0.00062	0.00015	0.0016	0.27
24	February	2.2	0.055	0.074	0.0064	0.032	5.5	0.0022	0.19	0.00033	0.0066	0.000014	0.0075	0.0000093	13	0.0006	0.00015	0.0017	0.26
24	March	2.2	0.056	0.087	0.0066	0.031	5.5	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000092	13	0.00059	0.00014	0.0016	0.25
24	April	2.1	0.055	0.098	0.0062	0.028	5.0	0.002	0.16	0.0003	0.0058	0.000012	0.0062	0.0000085	12	0.00054	0.00013	0.0015	0.23
24	May	1.6	0.047	0.084	0.0041	0.022	4.0	0.0013	0.14	0.00022	0.0041	0.000009	0.0048	0.0000067	10	0.00046	0.00011	0.0012	0.21
24	June	1.5	0.042	0.066	0.0025	0.021	3.9	0.00082	0.16	0.00018	0.0035	0.0000088	0.0047	0.0000058	9.9	0.00047	0.00012	0.0012	0.23
24	July	1.8	0.047	0.066	0.0022	0.024	4.4	0.00087	0.19	0.00022	0.004	0.00001	0.0053	0.0000064	11	0.00053	0.00014	0.0014	0.26
24	August	2.1	0.055	0.075	0.0025	0.029	5.0	0.0012	0.21	0.00027	0.005	0.000011	0.006	0.0000078	12	0.00057	0.00016	0.0015	0.29
24	September	2.1	0.062	0.083	0.0029	0.029	5.3	0.0014	0.21	0.00029	0.0057	0.000011	0.0062	0.0000087	12	0.00054	0.00015	0.0015	0.29
24	October	2.0	0.069	0.09	0.0039	0.033	5.4	0.0016	0.21	0.00029	0.0065	0.000013	0.0062	0.0000092	12	0.00056	0.00015	0.0015	0.28
24	November	2.0	0.07	0.096	0.0049	0.037	5.4	0.0017	0.22	0.00029	0.0067	0.000016	0.0064	0.00001	12	0.00065	0.00017	0.0015	0.28
24	December	2.1	0.063	0.086	0.0056	0.035	5.5	0.0019	0.21	0.00031	0.0067	0.000016	0.0069	0.0000099	13	0.00064	0.00016	0.0016	0.28
25	January	2.2	0.057	0.075	0.0061	0.033	5.5	0.0021	0.2	0.00032	0.0067	0.000015	0.0074	0.0000095	13	0.00062	0.00015	0.0016	0.27
25	February	2.2	0.056	0.076	0.0065	0.032	5.6	0.0022	0.19	0.00032	0.0066	0.000014	0.0076	0.0000097	13	0.0006	0.00015	0.0017	0.26
25	March	2.2	0.056	0.087	0.0066	0.031	5.5	0.0022	0.18	0.00033	0.0065	0.000013	0.0072	0.0000097	13	0.00059	0.00014	0.0016	0.25
25	April	2.1	0.053	0.096	0.0062	0.028	5.0	0.002	0.16	0.00029	0.0058	0.000012	0.0062	0.0000089	12	0.00055	0.00012	0.0015	0.24
25	May	1.6	0.045	0.083	0.0041	0.022	4.0	0.0013	0.14	0.00021	0.0041	0.0000091	0.0048	0.0000074	10	0.00046	0.00011	0.0012	0.21
25	June	1.5	0.043	0.067	0.0025	0.021	4.0	0.00082	0.16	0.00018	0.0035	0.000009	0.0047	0.000007	9.9	0.00047	0.00012	0.0012	0.23
25	July	1.8	0.048	0.069	0.0023	0.024	4.5	0.00087	0.19	0.00021	0.004	0.00001	0.0054	0.0000078	11	0.00053	0.00014	0.0014	0.27
25	August	2.1	0.06	0.083	0.0027	0.029	5.1	0.0013	0.22	0.00026	0.005	0.000012	0.0061	0.0000096	12	0.00057	0.00016	0.0015	0.29
25	September	2.1	0.069	0.095	0.0032	0.029	5.4	0.0015	0.22	0.00028	0.0057	0.000012	0.0063	0.000011	12	0.00054	0.00016	0.0015	0.29
25	October	2.0	0.075	0.1	0.0042	0.033	5.5	0.0016	0.21	0.00027	0.0065	0.000013	0.0063	0.000011	12	0.00056	0.00016	0.0015	0.28
25	November	2.0	0.073	0.1	0.005	0.037	5.5	0.0017	0.22	0.00028	0.0066	0.000016	0.0064	0.000012	12	0.00065	0.00017	0.0015	0.29
25	December	2.1	0.066	0.093	0.0058	0.035	5.5	0.002	0.21	0.00029	0.0067	0.000016	0.007	0.000011	13	0.00065	0.00016	0.0016	0.28
26	January	2.1	0.061	0.084	0.0064	0.033	5.6	0.0021	0.2	0.00031	0.0067	0.000015	0.0074	0.000011	13	0.00062	0.00016	0.0016	0.27
26	February	2.2	0.058	0.081	0.0066	0.032	5.6	0.0022	0.19	0.00032	0.0066	0.000014	0.0076	0.00001	13	0.0006	0.00015	0.0017	0.27
26	March	2.2	0.056	0.089	0.0067	0.031	5.5	0.0022	0.18	0.00032	0.0065	0.000014	0.0072	0.00001	13	0.00059	0.00014	0.0017	0.26
26	April	2.1	0.054	0.098	0.0062	0.028	5.0	0.002	0.16	0.00029	0.0058	0.000012	0.0062	0.0000095	12	0.00055	0.00013	0.0015	0.24
26	May	1.6	0.047	0.085	0.0042	0.022	4.0	0.0013	0.14	0.0002	0.0041	0.0000095	0.0049	0.000008	10	0.00046	0.00011	0.0012	0.21
26	June	1.5	0.043	0.068	0.0025	0.021	4.0	0.00083	0.16	0.00017	0.0035	0.0000095	0.0048	0.0000077	9.9	0.00048	0.00012	0.0012	0.23
26	July	1.8	0.049	0.07	0.0023	0.024	4.5	0.00087	0.19	0.0002	0.004	0.000011	0.0054	0.0000086	11	0.00053	0.00014	0.0014	0.27
26	August	2.1	0.061	0.084	0.0027	0.029	5.1	0.0013	0.22	0.00025	0.005	0.000012	0.0061	0.000011	12	0.00057	0.00016	0.0015	0.29
26	September	2.1	0.07	0.095	0.0032	0.029	5.5	0.0015	0.22	0.00027	0.0057	0.000013	0.0063	0.000012	12	0.00054	0.00016	0.0015	0.29
26	October	2.0	0.074	0.099	0.0041	0.033	5.5	0.0016	0.21	0.00026	0.0065	0.000014	0.0063	0.000012	12	0.00056	0.00016	0.0015	0.28
26	November	2.0	0.072	0.1	0.005	0.037	5.4	0.0017	0.22	0.00027	0.0066	0.000017	0.0065	0.000013	12	0.00065	0.00017	0.0015	0.29
26	December	2.0	0.066	0.094	0.0059	0.035	5.4	0.002	0.21	0.00028	0.0067	0.000016	0.007	0.000012	13	0.00065	0.00016	0.0016	0.28
27	January	2.1	0.06	0.083	0.0065	0.033	5.5	0.0021	0.2	0.0003	0.0067	0.000016	0.0074	0.000011	13	0.00063	0.00016	0.0017	0.27
27	February	2.2	0.053	0.074	0.0066	0.032	5.4	0.0022	0.19	0.00031	0.0067	0.000015	0.0075	0.0000099	13	0.00061	0.00015	0.0017	0.27
27	March	2.2	0.048	0.076	0.0065	0.031	5.2	0.0022	0.18	0.00031	0.0065	0.000014	0.0071	0.0000089	13	0.00059	0.00014	0.0017	0.26
27	April	2.0	0.04	0.074	0.0057	0.028	4.6	0.002	0.16	0.00028	0.0058	0.000012	0.006	0.0000073	12	0.00054	0.00012	0.0015	0.23
27	May	1.5	0.025	0.049	0.0034	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000047	10	0.00046	0.000099	0.0012	0.20
27	June	1.4	0.017	0.023	0.0016	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000034	9.8	0.00047	0.00011	0.0012	0.22
27	July	1.7	0.017	0.016	0.0012	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000035	11	0.00053	0.00013	0.0013	0.26
27	August	2.0	0.02	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00014	0.0015	0.28
27	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
27	November	1.9	0.027	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0066	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
27	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0066	0.000015	0.0064	0.0000063	12	0.00063	0.00014	0.0016	0.27
28	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
28	February	2.1	0.032	0.034	0.0056	0.032	4.8	0.0021	0.19	0.0003	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
28	March	2.2	0.033	0.048	0.0058	0.031	4.8	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00059	0.00013	0.0016	0.25
28	April	2.0	0.032	0.058	0.0053	0.028	4.3	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
28	May	1.5	0.023	0.044	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00046	0.000097	0.0012	0.20
28	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
28	July	1.7	0.017	0.016	0.0012	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000035	11	0.00053	0.00013	0.0013	0.26
28	August	2.0	0.02	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
28	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
28	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
28	November	1.9	0.027	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0066	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
28	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0066	0.000015	0.0064	0.0000063	12	0.00063	0.00014	0.0016	0.27
29	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
29	February	2.1	0.032	0.034	0.0056	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
29	March	2.2	0.033	0.048	0.0058	0.031	4.8	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00059	0.00013	0.0016	0.25
29	April	2.0	0.032	0.058	0.0053	0.028	4.3	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
29	May	1.5	0.022	0.044	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00046	0.000097	0.0012	0.20
29	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
29	July	1.7	0.017	0.016	0.0012	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000034	11	0.00053	0.00013	0.0013	0.26
29	August	2.0	0.02	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
29	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
29	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
29	November	1.9	0.027	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00025	0.0066	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
29	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00027	0.0066	0.000015	0.0064	0.0000063	12	0.00063	0.00014	0.0016	0.27
30	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.00029	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
30	February	2.1	0.032	0.034	0.0056	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
30	March	2.2	0.033	0.048	0.0058	0.031	4.8	0.0021	0.18	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00059	0.00013	0.0016	0.25
30	April	2.0	0.032	0.058	0.0053	0.028	4.3	0.0019	0.16	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
30	May	1.5	0.022	0.044	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00046	0.000097	0.0012	0.20
30	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
30	July	1.7	0.017	0.016	0.0012	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000034	11	0.00053	0.00013	0.0013	0.26
30	August	2.0	0.02	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
30	September	2.0	0.022	0.016	0.0015	0.029	4.1	0.0013	0.21	0.00026	0.0057	0.000011	0.0055	0.0000043	12	0.00053	0.00013	0.0015	0.28
30	October	1.9	0.025	0.018	0.0024	0.033	4.3	0.0014	0.21	0.00026	0.0065	0.000012	0.0055	0.0000046	12	0.00054	0.00014	0.0014	0.27
30	November	1.9	0.027	0.024	0.0033	0.037	4.5	0.0016	0.22	0.00027	0.0066	0.000015	0.0058	0.0000057	12	0.00064	0.00015	0.0015	0.28
30	December	2.0	0.028	0.028	0.0044	0.035	4.8	0.0018	0.21	0.00029	0.0066	0.000015	0.0064	0.0000063	13	0.00064	0.00015	0.0016	0.27
31	January	2.1	0.03	0.03	0.0051	0.033	5.0	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
31	February	2.1	0.032	0.035	0.0056	0.032	5.1	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
31	March	2.2	0.033	0.049	0.0058	0.031	5.0	0.0021	0.17	0.00032	0.0065	0.000013	0.0069	0.0000069	13	0.00058	0.00013	0.0016	0.25
31	April	2.0	0.032	0.059	0.0054	0.028	4.5	0.0019	0.15	0.00029	0.0058	0.000011	0.0059	0.0000062	12	0.00054	0.00011	0.0015	0.23
31	May	1.5	0.023	0.044	0.0033	0.022	3.5	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000045	10	0.00046	0.000098	0.0012	0.20
31	June	1.4	0.016	0.023	0.0016	0.021	3.4	0.00074	0.16	0.00017	0.0035	0.0000086	0.0044	0.0000035	9.8	0.00047	0.00011	0.0012	0.22
31	July	1.7	0.017	0.016	0.0012	0.024	3.8	0.00077	0.19	0.0002	0.004	0.0000098	0.0049	0.0000036	11	0.00053	0.00013	0.0013	0.26
31	August	2.0	0.02	0.016	0.0012	0.029	4.2	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000042	12	0.00057	0.00014	0.0015	0.28
31	September	2.0	0.022	0.016	0.0015	0.029	4.4	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000045	12	0.00054	0.00014	0.0015	0.28
31	October	1.9	0.025	0.018	0.0024	0.033	4.4	0.0014	0.21	0.00026	0.0065	0.000012	0.0056	0.0000047	12	0.00055	0.00014	0.0014	0.27
31	November	1.9	0.027	0.024	0.0034	0.037	4.4	0.0016	0.22	0.00026	0.0066	0.000015	0.0058	0.0000058	12	0.00064	0.00015	0.0015	0.28
31	December	2.0	0.028	0.028	0.0044	0.035	4.7	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000065	13	0.00064	0.00015	0.0016	0.27
32	January	2.1	0.03	0.03	0.0051	0.033	4.9	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000068	13	0.00062	0.00014	0.0016	0.26
32	February	2.1	0.032	0.035	0.0056	0.032	5.0	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.000007	13	0.0006	0.00013	0.0016	0.26
32	March	2.2	0.033	0.049	0.0058	0.031	5.0	0.0021	0.17	0.00032	0.0065	0.000013	0.0069	0.0000069	13	0.00059	0.00013	0.0016	0.25
32	April	2.0	0.032	0.059	0.0054	0.028	4.5	0.0019	0.15	0.00029	0.0058	0.000011	0.0059	0.0000062	12	0.00054	0.00011	0.0015	0.23

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	1.5	0.023	0.044	0.0033	0.022	3.5	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000045	10	0.00046	0.000098	0.0012	0.20
32	June	1.4	0.016	0.023	0.0016	0.021	3.4	0.00074	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000035	9.8	0.00047	0.00011	0.0012	0.22
32	July	1.7	0.017	0.016	0.0012	0.024	3.8	0.00077	0.19	0.0002	0.004	0.0000098	0.0049	0.0000036	11	0.00053	0.00013	0.0013	0.26
32	August	2.0	0.02	0.016	0.0012	0.029	4.2	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000042	12	0.00057	0.00014	0.0015	0.28
32	September	2.0	0.022	0.016	0.0015	0.029	4.4	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000045	12	0.00054	0.00014	0.0015	0.28
32	October	1.9	0.025	0.018	0.0024	0.033	4.4	0.0014	0.21	0.00026	0.0065	0.000012	0.0056	0.0000047	12	0.00055	0.00014	0.0014	0.27
32	November	1.9	0.027	0.024	0.0034	0.037	4.4	0.0016	0.22	0.00026	0.0066	0.000015	0.0058	0.0000058	12	0.00064	0.00015	0.0015	0.28
32	December	2.0	0.028	0.028	0.0044	0.035	4.7	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000065	13	0.00064	0.00015	0.0016	0.27
33	January	2.1	0.03	0.03	0.0051	0.033	4.9	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000068	13	0.00062	0.00014	0.0016	0.26
33	February	2.1	0.032	0.035	0.0056	0.032	5.0	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.000007	13	0.0006	0.00013	0.0016	0.26
33	March	2.2	0.033	0.049	0.0058	0.031	5.0	0.0021	0.17	0.00032	0.0065	0.000013	0.0069	0.0000069	13	0.00059	0.00013	0.0016	0.25
33	April	2.0	0.032	0.059	0.0054	0.028	4.5	0.0019	0.15	0.00029	0.0058	0.000011	0.0059	0.0000062	12	0.00054	0.00011	0.0015	0.23
33	May	1.5	0.023	0.044	0.0033	0.022	3.5	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000045	10	0.00046	0.000098	0.0012	0.20
33	June	1.4	0.016	0.023	0.0016	0.021	3.4	0.00074	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000035	9.8	0.00047	0.00011	0.0012	0.22
33	July	1.7	0.017	0.016	0.0012	0.024	3.8	0.00077	0.19	0.0002	0.004	0.0000098	0.0049	0.0000036	11	0.00053	0.00013	0.0013	0.26
33	August	2.0	0.02	0.016	0.0012	0.029	4.2	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000042	12	0.00057	0.00014	0.0015	0.28
33	September	2.0	0.022	0.016	0.0015	0.029	4.4	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000045	12	0.00053	0.00014	0.0015	0.28
33	October	1.9	0.025	0.018	0.0024	0.033	4.4	0.0014	0.21	0.00026	0.0065	0.000012	0.0056	0.0000047	12	0.00055	0.00014	0.0014	0.27
33	November	1.9	0.027	0.024	0.0034	0.037	4.4	0.0016	0.22	0.00026	0.0066	0.000015	0.0058	0.0000058	12	0.00064	0.00015	0.0015	0.28
33	December	2.0	0.028	0.028	0.0044	0.035	4.7	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000065	13	0.00064	0.00015	0.0016	0.27
34	January	2.1	0.03	0.03	0.0052	0.033	4.9	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000068	13	0.00062	0.00014	0.0016	0.26
34	February	2.1	0.032	0.035	0.0056	0.032	5.0	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.000007	13	0.0006	0.00013	0.0016	0.26
34	March	2.2	0.033	0.049	0.0058	0.031	4.9	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000069	13	0.00059	0.00013	0.0016	0.25
34	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000062	12	0.00054	0.00011	0.0015	0.23
34	May	1.5	0.022	0.044	0.0033	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000089	0.0045	0.0000044	10	0.00046	0.000097	0.0012	0.20
34	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0044	0.0000033	9.8	0.00047	0.00011	0.0012	0.22
34	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000035	11	0.00053	0.00013	0.0013	0.26
34	August	2.0	0.02	0.016	0.0012	0.029	3.8	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000041	12	0.00056	0.00014	0.0015	0.28
34	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00025	0.0057	0.000011	0.0056	0.0000043	12	0.00053	0.00013	0.0015	0.28
34	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.0000046	12	0.00055	0.00014	0.0014	0.27
34	November	1.9	0.026	0.023	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0057	0.0000056	12	0.00064	0.00015	0.0015	0.28
34	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000063	12	0.00064	0.00014	0.0016	0.27
35	January	2.1	0.029	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.0000067	13	0.00061	0.00014	0.0016	0.26
35	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000069	13	0.0006	0.00013	0.0016	0.26
35	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000068	13	0.00058	0.00013	0.0016	0.25
35	April	2.0	0.031	0.059	0.0053	0.028	4.3	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000061	12	0.00054	0.00011	0.0015	0.23
35	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000044	10	0.00046	0.000097	0.0012	0.20
35	June	1.4	0.016	0.023	0.0015	0.021	3.1	0.00073	0.16	0.00016	0.0035	0.0000087	0.0043	0.0000034	9.8	0.00047	0.00011	0.0012	0.22
35	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000036	11	0.00053	0.00013	0.0013	0.26
35	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00024	0.005	0.000011	0.0055	0.0000043	12	0.00056	0.00014	0.0015	0.28
35	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000046	12	0.00053	0.00014	0.0015	0.28
35	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
35	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.000006	12	0.00064	0.00015	0.0015	0.28
35	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
36	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
36	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
36	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
36	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
36	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
36	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
36	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
36	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
36	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
36	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
36	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
36	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
37	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
37	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
37	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
37	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
37	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
37	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
37	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
37	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
37	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
37	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
37	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
38	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
38	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
38	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
38	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
38	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
38	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
38	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
38	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
38	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
38	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
38	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
38	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
39	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
39	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
39	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
39	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
39	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
39	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
39	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
39	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
39	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
39	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
39	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
39	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
40	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
40	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
40	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
40	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
40	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
40	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
40	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
40	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
40	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
40	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
40	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
40	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
41	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
41	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
41	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
41	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
41	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
41	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
41	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
41	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
41	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
41	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
41	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
42	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
42	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
42	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
42	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
42	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
42	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
42	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
42	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
42	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
42	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
42	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
42	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
43	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
43	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
43	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
43	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
43	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
43	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
43	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
43	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
43	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
43	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
43	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
43	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
44	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
44	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
44	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
44	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
44	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
44	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
44	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
44	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
44	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
44	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
44	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
44	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
45	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
45	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
45	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
45	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
45	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
45	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
45	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
45	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
45	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
45	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
45	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
45	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
46	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
46	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
46	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
46	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
46	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
46	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
46	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
46	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
46	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
46	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
46	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
47	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
47	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
47	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
47	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
47	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
47	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
47	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
47	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
47	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
47	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
47	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
47	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
48	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
48	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
48	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
48	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
48	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
48	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
48	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
48	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
48	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
48	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
48	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
48	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
49	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
49	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
49	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
49	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
49	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
49	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
49	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
49	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
49	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
49	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
49	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
49	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
50	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
50	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
50	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
50	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
50	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
50	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
50	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
50	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
50	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
50	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
50	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
50	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
51	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
51	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
51	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
51	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
51	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
51	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
51	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
51	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
51	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
51	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
51	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
52	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
52	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
52	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
52	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
52	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
52	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
52	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
52	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
52	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
52	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
52	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
52	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
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53	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
54	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
54	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
54	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
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55	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
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Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
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56	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
56	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
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58	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
58	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
58	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
59	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
59	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
59	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
59	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
59	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
59	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
59	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
59	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
59	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
59	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
59	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
59	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
60	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
60	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
60	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
60	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
60	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
60	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
60	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
60	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
60	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
60	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
60	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
61	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
61	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
61	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
61	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
61	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
61	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
61	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
61	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
61	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
61	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
61	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
61	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
62	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
62	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
62	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
62	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
62	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
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62	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
62	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
63	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
63	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
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63	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
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63	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
63	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
63	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
63	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
63	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
64	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
64	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
64	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
64	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
64	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
64	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
64	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
64	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
64	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
64	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
64	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
64	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
65	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
65	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
65	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
65	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
65	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
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65	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
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65	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
65	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
66	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
66	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
66	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
66	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
66	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
66	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
66	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
66	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
66	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
66	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
66	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
66	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
67	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
67	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00013	0.0016	0.26
67	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.000007	13	0.00058	0.00013	0.0016	0.25
67	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
67	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
67	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
67	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
67	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
67	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
67	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
67	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
67	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
68	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
68	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
68	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
68	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
68	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
68	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
68	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
68	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
68	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
68	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
68	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
68	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
69	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
69	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
69	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
69	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
69	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
69	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
69	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
69	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
69	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
69	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
69	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27
70	January	2.1	0.03	0.03	0.0051	0.033	4.7	0.002	0.2	0.0003	0.0067	0.000015	0.007	0.000007	13	0.00061	0.00014	0.0016	0.26
70	February	2.1	0.031	0.035	0.0055	0.032	4.8	0.0021	0.19	0.00031	0.0066	0.000014	0.0072	0.0000071	13	0.0006	0.00014	0.0016	0.26
70	March	2.2	0.032	0.049	0.0057	0.031	4.8	0.0021	0.17	0.00031	0.0065	0.000013	0.0069	0.0000071	13	0.00058	0.00013	0.0016	0.25
70	April	2.0	0.031	0.059	0.0053	0.028	4.4	0.0019	0.15	0.00028	0.0058	0.000011	0.0059	0.0000064	12	0.00054	0.00011	0.0015	0.23
70	May	1.5	0.022	0.044	0.0032	0.022	3.3	0.0012	0.14	0.0002	0.0041	0.0000088	0.0045	0.0000047	10	0.00045	0.000098	0.0012	0.20
70	June	1.4	0.016	0.023	0.0015	0.021	3.2	0.00073	0.16	0.00017	0.0035	0.0000087	0.0044	0.0000037	9.8	0.00047	0.00011	0.0012	0.22
70	July	1.7	0.016	0.016	0.0011	0.024	3.5	0.00076	0.19	0.00019	0.004	0.0000098	0.0049	0.0000039	11	0.00053	0.00013	0.0013	0.26
70	August	2.0	0.02	0.016	0.0012	0.029	3.9	0.0011	0.21	0.00025	0.005	0.000011	0.0055	0.0000045	12	0.00056	0.00014	0.0015	0.28
70	September	2.0	0.022	0.016	0.0015	0.030	4.0	0.0013	0.21	0.00026	0.0057	0.000011	0.0056	0.0000047	12	0.00053	0.00014	0.0015	0.28
70	October	1.9	0.025	0.018	0.0024	0.033	4.0	0.0014	0.21	0.00025	0.0065	0.000012	0.0055	0.000005	12	0.00055	0.00014	0.0014	0.27
70	November	1.9	0.026	0.024	0.0033	0.037	4.1	0.0016	0.22	0.00026	0.0067	0.000015	0.0058	0.0000061	12	0.00064	0.00015	0.0015	0.28
70	December	2.0	0.028	0.027	0.0043	0.035	4.4	0.0018	0.21	0.00028	0.0067	0.000015	0.0064	0.0000066	13	0.00064	0.00015	0.0016	0.27

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00011	2.8	0.011	0.0000011	0.00022	0.0011	1.1	0.0001	0.000011	0.000005	0.000048	0.00012	0.00074	0.0015	0.00045	0.00021
-6	February	0.000099	2.6	0.0095	0.00000097	0.00019	0.00095	0.97	0.000092	0.0000099	0.0000044	0.000043	0.00011	0.00066	0.0014	0.00042	0.0002
-6	March	0.000093	2.7	0.0098	0.00000097	0.0002	0.001	1.0	0.000093	0.000011	0.0000044	0.000045	0.00011	0.00064	0.0015	0.00046	0.00022
-6	April	0.000084	2.7	0.0099	0.00000094	0.0002	0.001	1.0	0.000089	0.000011	0.0000041	0.000044	0.00011	0.0006	0.0015	0.00047	0.00023
-6	May	0.000079	2.4	0.0091	0.00000092	0.00018	0.00087	0.88	0.000077	0.0000081	0.0000037	0.00004	0.000089	0.00056	0.0013	0.00036	0.00018
-6	June	0.000095	2.4	0.0097	0.0000011	0.00017	0.00091	0.9	0.00008	0.0000059	0.0000041	0.000042	0.000088	0.00062	0.0013	0.00027	0.00013
-6	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
-6	August	0.00012	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00037	0.00017
-6	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
-6	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00021
-6	November	0.00014	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00022
-6	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
-5	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00014	0.00083	0.0017	0.00054	0.00025
-5	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00058	0.00026
-5	March	0.00011	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000054	0.00014	0.00077	0.0018	0.00059	0.00028
-5	April	0.000098	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00068	0.0017	0.00055	0.00026
-5	May	0.000083	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000041	0.000095	0.00058	0.0014	0.00038	0.00019
-5	June	0.000096	2.4	0.0098	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00063	0.0013	0.00027	0.00014
-5	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
-5	August	0.00012	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00037	0.00017
-5	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
-5	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00021
-5	November	0.00014	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00022
-5	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
-4	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00014	0.00083	0.0017	0.00054	0.00025
-4	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00058	0.00026
-4	March	0.00011	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000054	0.00014	0.00077	0.0018	0.00059	0.00028
-4	April	0.000098	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00068	0.0017	0.00055	0.00026
-4	May	0.000083	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000041	0.000095	0.00058	0.0014	0.00038	0.00019
-4	June	0.000096	2.4	0.0098	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00063	0.0013	0.00027	0.00014
-4	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
-4	August	0.00012	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00037	0.00017
-4	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
-4	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00021
-4	November	0.00014	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00022
-4	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
-3	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00014	0.00083	0.0017	0.00054	0.00025
-3	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00058	0.00027
-3	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.00029
-3	April	0.0001	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00028
-3	May	0.000086	2.5	0.0095	0.00000096	0.00019	0.00093	0.93	0.000082	0.0000088	0.0000039	0.000042	0.000095	0.00058	0.0014	0.00039	0.0002
-3	June	0.000099	2.5	0.0098	0.0000011	0.00017	0.00092	0.91	0.000081	0.0000061	0.0000042	0.000043	0.000089	0.00063	0.0013	0.00027	0.00015
-3	July	0.00012	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000094	0.0000059	0.0000048	0.000049	0.000099	0.00073	0.0015	0.00029	0.00016
-3	August	0.00013	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000054	0.00011	0.00083	0.0017	0.00037	0.00019
-3	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00021
-3	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.000009	0.0000053	0.000053	0.00012	0.00084	0.0016	0.00039	0.00024
-3	November	0.00015	3.0	0.013	0.0000012	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00012	0.00087	0.0017	0.00042	0.00025
-3	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00026
-2	January	0.00014	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00054	0.00028
-2	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0018	0.00058	0.00029
-2	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.0003
-2	April	0.0001	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00029
-2	May	0.000087	2.5	0.0095	0.00000096	0.00019	0.00093	0.93	0.000082	0.0000088	0.0000039	0.000043	0.000095	0.00058	0.0014	0.00039	0.00021
-2	June	0.000099	2.5	0.0098	0.0000011	0.00018	0.00092	0.91	0.000082	0.0000061	0.0000042	0.000044	0.000089	0.00063	0.0014	0.00027	0.00016
-2	July	0.00012	2.7	0.011	0.0000013	0.0002	0.001	1.0	0.000095	0.0000059	0.0000048	0.00005	0.0001	0.00073	0.0015	0.00029	0.00017
-2	August	0.00013	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000055	0.00011	0.00083	0.0017	0.00037	0.00021

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00013	3.0	0.014	0.0000012	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000056	0.00012	0.00084	0.0017	0.00039	0.00023
-2	October	0.00015	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.0001	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00025
-2	November	0.00015	3.0	0.013	0.0000012	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000054	0.00012	0.00087	0.0017	0.00042	0.00026
-2	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000055	0.00013	0.00086	0.0017	0.00049	0.00027
-1	January	0.00014	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000056	0.00014	0.00084	0.0017	0.00054	0.00028
-1	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0018	0.00058	0.00029
-1	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.0003
-1	April	0.0001	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00028
-1	May	0.000087	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000042	0.000095	0.00058	0.0014	0.00039	0.00019
-1	June	0.0001	2.4	0.0097	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00063	0.0014	0.00027	0.00014
-1	July	0.00012	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000094	0.0000059	0.0000048	0.000049	0.000099	0.00073	0.0015	0.00029	0.00016
-1	August	0.00013	3.0	0.013	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000056	0.00011	0.00083	0.0017	0.00037	0.00023
-1	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000058	0.00012	0.00084	0.0017	0.00039	0.00027
-1	October	0.00015	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000057	0.00012	0.00085	0.0016	0.00039	0.00029
-1	November	0.00015	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000056	0.00012	0.00087	0.0017	0.00042	0.0003
-1	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000056	0.00013	0.00086	0.0017	0.00049	0.00029
1	January	0.00014	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000056	0.00014	0.00083	0.0017	0.00054	0.00029
1	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0018	0.00058	0.00029
1	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.0003
1	April	0.0001	3.0	0.011	0.0000011	0.00024	0.0012	1.1	0.00011	0.000013	0.0000051	0.000053	0.00012	0.00068	0.0017	0.00055	0.00031
1	May	0.000087	2.5	0.0094	0.00000098	0.00021	0.00093	0.94	0.000086	0.000009	0.0000053	0.000048	0.000096	0.00058	0.0014	0.00038	0.00032
1	June	0.000099	2.5	0.0097	0.0000012	0.0002	0.00092	0.92	0.000089	0.0000063	0.000006	0.000051	0.000092	0.00063	0.0014	0.00027	0.00032
1	July	0.00012	2.7	0.011	0.0000013	0.00022	0.001	1.0	0.0001	0.0000062	0.0000064	0.000059	0.0001	0.00073	0.0015	0.00029	0.00035
1	August	0.00013	3.0	0.013	0.0000013	0.00025	0.0011	1.1	0.00012	0.0000068	0.0000065	0.000066	0.00012	0.00083	0.0017	0.00037	0.00042
1	September	0.00013	3.0	0.014	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000073	0.000006	0.000069	0.00012	0.00084	0.0017	0.00039	0.00047
1	October	0.00015	2.9	0.014	0.0000012	0.00026	0.0011	1.1	0.00012	0.0000094	0.0000057	0.000068	0.00012	0.00085	0.0016	0.00039	0.0005
1	November	0.00015	3.0	0.013	0.0000012	0.00028	0.0012	1.1	0.00011	0.000013	0.0000058	0.000066	0.00013	0.00088	0.0017	0.00042	0.00049
1	December	0.00014	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000014	0.0000058	0.000064	0.00013	0.00086	0.0017	0.00049	0.00044
2	January	0.00014	3.2	0.012	0.0000012	0.00027	0.0013	1.2	0.00012	0.000014	0.0000058	0.000062	0.00014	0.00084	0.0017	0.00054	0.0004
2	February	0.00013	3.3	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000057	0.00006	0.00014	0.00081	0.0018	0.00058	0.00037
2	March	0.00012	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000055	0.000058	0.00014	0.00077	0.0018	0.00059	0.00035
2	April	0.0001	3.0	0.011	0.0000011	0.00024	0.0012	1.1	0.00011	0.000013	0.0000051	0.000055	0.00012	0.00068	0.0017	0.00055	0.00033
2	May	0.000087	2.5	0.0094	0.00000099	0.00021	0.00093	0.94	0.000089	0.000009	0.0000055	0.000053	0.000097	0.00058	0.0014	0.00038	0.00031
2	June	0.000099	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000092	0.0000064	0.0000071	0.00006	0.000093	0.00063	0.0014	0.00027	0.00032
2	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000063	0.0000077	0.000069	0.0001	0.00073	0.0015	0.00029	0.00036
2	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00012	0.000007	0.0000075	0.000079	0.00012	0.00083	0.0017	0.00037	0.00042
2	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000075	0.0000067	0.000083	0.00012	0.00084	0.0017	0.00039	0.00046
2	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000096	0.000006	0.000084	0.00012	0.00085	0.0016	0.00039	0.0005
2	November	0.00015	3.0	0.013	0.0000012	0.00029	0.0012	1.1	0.00012	0.000013	0.000006	0.000082	0.00013	0.00088	0.0017	0.00042	0.0005
2	December	0.00014	3.1	0.012	0.0000012	0.00028	0.0012	1.2	0.00012	0.000014	0.000006	0.000077	0.00013	0.00086	0.0017	0.00049	0.00046
3	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000059	0.000073	0.00014	0.00084	0.0017	0.00054	0.00043
3	February	0.00013	3.3	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000058	0.000069	0.00014	0.00081	0.0018	0.00058	0.00039
3	March	0.00012	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000055	0.000064	0.00014	0.00077	0.0018	0.00059	0.00037
3	April	0.0001	3.0	0.011	0.0000011	0.00024	0.0012	1.1	0.00011	0.000013	0.0000051	0.000059	0.00012	0.00068	0.0017	0.00055	0.00035
3	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.00009	0.0000091	0.0000056	0.000056	0.000097	0.00058	0.0014	0.00038	0.00033
3	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000094	0.0000065	0.0000071	0.000062	0.000093	0.00063	0.0014	0.00027	0.00033
3	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000064	0.0000077	0.000072	0.0001	0.00073	0.0015	0.00029	0.00037
3	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00013	0.000007	0.0000074	0.000082	0.00012	0.00083	0.0017	0.00037	0.00043
3	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000075	0.0000066	0.000086	0.00012	0.00084	0.0017	0.00039	0.00047
3	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.000006	0.000087	0.00012	0.00085	0.0016	0.00039	0.00051
3	November	0.00015	3.0	0.013	0.0000013	0.00029	0.0012	1.2	0.00012	0.000013	0.000006	0.000087	0.00013	0.00088	0.0017	0.00042	0.00052
3	December	0.00014	3.1	0.012	0.0000012	0.00028	0.0012	1.2	0.00012	0.000014	0.000006	0.000081	0.00013	0.00086	0.0017	0.00049	0.00048
4	January	0.00014	3.2	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000059	0.000075	0.00014	0.00084	0.0017	0.00054	0.00043
4	February	0.00013	3.3	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000058	0.00007	0.00014	0.00081	0.0018	0.00058	0.0004
4	March	0.00012	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000055	0.000067	0.00014	0.00077	0.0018	0.00059	0.00038
4	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0012	1.1	0.00011	0.000013	0.000005	0.000062	0.00012	0.00068	0.0017	0.00055	0.00036

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.95	0.000091	0.0000092	0.0000052	0.000058	0.000098	0.00059	0.0014	0.00038	0.00034
4	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.94	0.000094	0.0000066	0.000007	0.000065	0.000094	0.00063	0.0014	0.00027	0.00034
4	July	0.00012	2.7	0.011	0.0000014	0.00025	0.0011	1.0	0.00011	0.0000065	0.0000081	0.000074	0.00011	0.00073	0.0015	0.00029	0.00038
4	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000073	0.0000078	0.000086	0.00012	0.00083	0.0017	0.00037	0.00044
4	September	0.00014	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000078	0.0000068	0.000091	0.00012	0.00084	0.0017	0.00039	0.00049
4	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.00001	0.0000061	0.000092	0.00012	0.00085	0.0017	0.00039	0.00052
4	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.2	0.00012	0.000013	0.0000061	0.000092	0.00013	0.00088	0.0017	0.00042	0.00053
4	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000014	0.000006	0.000087	0.00014	0.00086	0.0017	0.00049	0.0005
5	January	0.00014	3.2	0.012	0.0000013	0.00028	0.0013	1.2	0.00013	0.000014	0.0000059	0.000081	0.00014	0.00084	0.0017	0.00054	0.00046
5	February	0.00013	3.3	0.012	0.0000013	0.00027	0.0013	1.3	0.00013	0.000014	0.0000058	0.000076	0.00014	0.00082	0.0018	0.00058	0.00043
5	March	0.00012	3.2	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000055	0.000072	0.00014	0.00077	0.0018	0.00059	0.00042
5	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0012	1.2	0.00011	0.000013	0.0000051	0.000065	0.00012	0.00069	0.0017	0.00055	0.00039
5	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.95	0.000092	0.0000093	0.0000052	0.00006	0.000098	0.00059	0.0014	0.00038	0.00035
5	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.94	0.000095	0.0000067	0.0000069	0.000065	0.000094	0.00063	0.0014	0.00027	0.00034
5	July	0.00012	2.7	0.011	0.0000014	0.00025	0.0011	1.0	0.00011	0.0000066	0.0000081	0.000074	0.00011	0.00073	0.0015	0.00029	0.00039
5	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000074	0.0000079	0.000086	0.00012	0.00084	0.0017	0.00037	0.00045
5	September	0.00014	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000079	0.0000069	0.000091	0.00013	0.00084	0.0017	0.00039	0.00049
5	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.00001	0.0000061	0.000092	0.00013	0.00085	0.0017	0.00039	0.00053
5	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.2	0.00012	0.000013	0.0000061	0.000092	0.00013	0.00088	0.0017	0.00042	0.00054
5	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000014	0.000006	0.000088	0.00014	0.00086	0.0017	0.00049	0.00051
6	January	0.00014	3.2	0.012	0.0000013	0.00028	0.0013	1.2	0.00013	0.000015	0.000006	0.000083	0.00014	0.00084	0.0018	0.00054	0.00048
6	February	0.00013	3.3	0.012	0.0000013	0.00028	0.0013	1.3	0.00013	0.000015	0.0000059	0.000079	0.00014	0.00082	0.0018	0.00058	0.00046
6	March	0.00012	3.3	0.012	0.0000012	0.00027	0.0013	1.3	0.00013	0.000015	0.0000055	0.000075	0.00014	0.00077	0.0018	0.00059	0.00045
6	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0012	1.2	0.00011	0.000013	0.0000051	0.000068	0.00013	0.00069	0.0017	0.00055	0.00042
6	May	0.000088	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000093	0.0000094	0.0000052	0.00006	0.000099	0.00059	0.0014	0.00038	0.00036
6	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.94	0.000095	0.0000068	0.0000068	0.000064	0.000095	0.00063	0.0014	0.00027	0.00035
6	July	0.00012	2.7	0.011	0.0000014	0.00024	0.0011	1.0	0.00011	0.0000067	0.000008	0.000072	0.00011	0.00073	0.0015	0.00029	0.00039
6	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.2	0.00013	0.0000075	0.0000078	0.000083	0.00012	0.00084	0.0017	0.00037	0.00045
6	September	0.00014	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000081	0.0000069	0.000088	0.00013	0.00084	0.0017	0.00039	0.0005
6	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.00001	0.0000061	0.000089	0.00013	0.00085	0.0017	0.00039	0.00053
6	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.2	0.00012	0.000014	0.0000061	0.000089	0.00013	0.00088	0.0017	0.00042	0.00055
6	December	0.00014	3.1	0.012	0.0000013	0.0003	0.0012	1.2	0.00013	0.000015	0.000006	0.000087	0.00014	0.00086	0.0017	0.00049	0.00053
7	January	0.00014	3.2	0.012	0.0000013	0.00029	0.0013	1.2	0.00013	0.000015	0.000006	0.000083	0.00014	0.00084	0.0018	0.00054	0.0005
7	February	0.00013	3.3	0.012	0.0000013	0.00028	0.0013	1.3	0.00013	0.000015	0.0000059	0.00008	0.00014	0.00082	0.0018	0.00058	0.00048
7	March	0.00012	3.2	0.012	0.0000013	0.00028	0.0013	1.3	0.00013	0.000015	0.0000055	0.000077	0.00014	0.00077	0.0018	0.00059	0.00047
7	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00012	0.000014	0.0000051	0.000071	0.00013	0.00069	0.0017	0.00055	0.00044
7	May	0.000088	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000094	0.0000095	0.0000053	0.000062	0.000099	0.00059	0.0014	0.00038	0.00038
7	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.94	0.000095	0.0000068	0.0000068	0.000065	0.000095	0.00063	0.0014	0.00027	0.00036
7	July	0.00012	2.7	0.011	0.0000014	0.00024	0.0011	1.0	0.00011	0.0000067	0.0000079	0.000074	0.00011	0.00073	0.0015	0.00029	0.00039
7	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.2	0.00013	0.0000075	0.0000076	0.000085	0.00012	0.00084	0.0017	0.00037	0.00046
7	September	0.00014	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000081	0.0000068	0.00009	0.00013	0.00084	0.0017	0.00039	0.0005
7	October	0.00015	3.0	0.014	0.0000014	0.00028	0.0011	1.1	0.00012	0.00001	0.0000061	0.000091	0.00013	0.00085	0.0017	0.00039	0.00054
7	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.2	0.00012	0.000014	0.0000061	0.000091	0.00013	0.00088	0.0017	0.00042	0.00055
7	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000015	0.000006	0.000089	0.00014	0.00086	0.0017	0.00049	0.00054
8	January	0.00014	3.2	0.012	0.0000013	0.00028	0.0013	1.2	0.00013	0.000015	0.000006	0.000085	0.00014	0.00084	0.0018	0.00054	0.00051
8	February	0.00013	3.3	0.012	0.0000013	0.00028	0.0013	1.3	0.00013	0.000015	0.0000059	0.000081	0.00014	0.00082	0.0018	0.00058	0.00048
8	March	0.00012	3.3	0.012	0.0000012	0.00027	0.0013	1.3	0.00013	0.000015	0.0000055	0.000077	0.00014	0.00077	0.0018	0.00059	0.00047
8	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00012	0.000014	0.0000053	0.000072	0.00013	0.00069	0.0017	0.00055	0.00045
8	May	0.000088	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000095	0.0000094	0.0000058	0.000063	0.000099	0.00059	0.0014	0.00038	0.00039
8	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.94	0.000096	0.0000067	0.000007	0.000066	0.000095	0.00063	0.0014	0.00027	0.00037
8	July	0.00012	2.7	0.011	0.0000014	0.00024	0.0011	1.0	0.00011	0.0000066	0.0000079	0.000075	0.00011	0.00073	0.0015	0.00029	0.0004
8	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000074	0.0000077	0.000086	0.00012	0.00084	0.0017	0.00037	0.00046
8	September	0.00014	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000079	0.0000068	0.000091	0.00013	0.00084	0.0017	0.00039	0.0005
8	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00013	0.00001	0.0000061	0.000092	0.00013	0.00085	0.0017	0.00039	0.00054
8	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.2	0.00012	0.000013	0.0000061	0.000092	0.00013	0.00088	0.0017	0.00042	0.00055
8	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000014	0.000006	0.000088	0.00014	0.00086	0.0017	0.00049	0.00052

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00014	3.2	0.012	0.0000013	0.00028	0.0013	1.2	0.00013	0.000015	0.000006	0.000084	0.00014	0.00084	0.0018	0.00054	0.00049
9	February	0.00013	3.3	0.012	0.0000013	0.00028	0.0013	1.3	0.00013	0.000015	0.0000058	0.00008	0.00014	0.00082	0.0018	0.00058	0.00047
9	March	0.00012	3.3	0.012	0.0000012	0.00027	0.0013	1.3	0.00013	0.000015	0.0000055	0.000077	0.00014	0.00077	0.0018	0.00059	0.00046
9	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00012	0.000013	0.0000054	0.000073	0.00013	0.00069	0.0017	0.00055	0.00046
9	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000094	0.0000093	0.0000061	0.000064	0.000099	0.00059	0.0014	0.00038	0.0004
9	June	0.0001	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000095	0.0000066	0.0000072	0.000067	0.000094	0.00063	0.0014	0.00027	0.00037
9	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000065	0.000008	0.000076	0.0001	0.00073	0.0015	0.00029	0.0004
9	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000071	0.0000078	0.000087	0.00012	0.00083	0.0017	0.00037	0.00047
9	September	0.00013	3.0	0.014	0.0000014	0.00027	0.0011	1.1	0.00013	0.0000076	0.0000068	0.000092	0.00012	0.00084	0.0017	0.00039	0.00051
9	October	0.00015	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000098	0.0000061	0.000094	0.00012	0.00085	0.0017	0.00039	0.00054
9	November	0.00015	3.0	0.013	0.0000013	0.00029	0.0012	1.2	0.00012	0.000013	0.0000061	0.000093	0.00013	0.00088	0.0017	0.00042	0.00055
9	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000014	0.000006	0.000087	0.00013	0.00086	0.0017	0.00049	0.00051
10	January	0.00014	3.2	0.012	0.0000013	0.00028	0.0013	1.2	0.00013	0.000014	0.0000061	0.000082	0.00014	0.00084	0.0017	0.00054	0.00047
10	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.3	0.00013	0.000014	0.0000067	0.000079	0.00014	0.00082	0.0018	0.00058	0.00046
10	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000064	0.000076	0.00014	0.00077	0.0018	0.00059	0.00046
10	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.000006	0.000072	0.00013	0.00068	0.0017	0.00055	0.00046
10	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000092	0.0000092	0.0000063	0.000064	0.000099	0.00059	0.0014	0.00038	0.0004
10	June	0.000099	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000092	0.0000064	0.0000072	0.000066	0.000094	0.00063	0.0014	0.00027	0.00036
10	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000063	0.000008	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
10	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00012	0.000007	0.0000077	0.000087	0.00012	0.00083	0.0017	0.00037	0.00046
10	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000075	0.0000068	0.000092	0.00012	0.00084	0.0017	0.00039	0.00051
10	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000096	0.0000061	0.000093	0.00012	0.00085	0.0016	0.00039	0.00054
10	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.2	0.00012	0.000013	0.000006	0.000093	0.00013	0.00088	0.0017	0.00042	0.00055
10	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.000006	0.000087	0.00013	0.00086	0.0017	0.00049	0.00051
11	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000063	0.000082	0.00014	0.00084	0.0017	0.00054	0.00048
11	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.3	0.00013	0.000014	0.0000067	0.000079	0.00014	0.00081	0.0018	0.00058	0.00047
11	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000063	0.000076	0.00014	0.00077	0.0018	0.00059	0.00047
11	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.000006	0.000072	0.00012	0.00068	0.0017	0.00055	0.00046
11	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000092	0.0000092	0.0000064	0.000064	0.000099	0.00058	0.0014	0.00038	0.0004
11	June	0.000099	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000092	0.0000064	0.0000073	0.000066	0.000094	0.00063	0.0014	0.00027	0.00036
11	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000063	0.000008	0.000076	0.0001	0.00073	0.0015	0.00029	0.0004
11	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00012	0.000007	0.0000076	0.000087	0.00012	0.00083	0.0017	0.00037	0.00046
11	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000074	0.0000067	0.000093	0.00012	0.00084	0.0017	0.00039	0.0005
11	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000096	0.000006	0.000094	0.00012	0.00085	0.0016	0.00039	0.00054
11	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.2	0.00012	0.000013	0.000006	0.000094	0.00013	0.00088	0.0017	0.00042	0.00055
11	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000062	0.000088	0.00013	0.00086	0.0017	0.00049	0.00051
12	January	0.00014	3.2	0.012	0.0000012	0.00029	0.0013	1.2	0.00013	0.000014	0.0000067	0.000083	0.00014	0.00084	0.0017	0.00054	0.00048
12	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.3	0.00013	0.000014	0.0000066	0.000079	0.00014	0.00081	0.0018	0.00058	0.00046
12	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000063	0.000077	0.00014	0.00077	0.0018	0.00059	0.00046
12	April	0.0001	3.0	0.011	0.0000011	0.00027	0.0012	1.2	0.00011	0.000013	0.0000065	0.000072	0.00013	0.00068	0.0017	0.00055	0.00046
12	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000092	0.0000091	0.0000065	0.000063	0.000099	0.00058	0.0014	0.00038	0.0004
12	June	0.000099	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000092	0.0000064	0.0000073	0.000066	0.000094	0.00063	0.0014	0.00027	0.00037
12	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000063	0.000008	0.000076	0.0001	0.00073	0.0015	0.00029	0.0004
12	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00012	0.000007	0.0000077	0.000088	0.00012	0.00083	0.0017	0.00037	0.00046
12	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000075	0.0000068	0.000093	0.00012	0.00084	0.0017	0.00039	0.00051
12	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000096	0.0000061	0.000094	0.00012	0.00085	0.0016	0.00039	0.00054
12	November	0.00015	3.0	0.013	0.0000012	0.00029	0.0012	1.2	0.00012	0.000013	0.000006	0.000093	0.00013	0.00088	0.0017	0.00042	0.00054
12	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000062	0.000087	0.00013	0.00086	0.0017	0.00049	0.0005
13	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000067	0.000082	0.00014	0.00084	0.0017	0.00054	0.00048
13	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.3	0.00013	0.000014	0.0000067	0.000079	0.00014	0.00081	0.0018	0.00058	0.00047
13	March	0.00012	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000063	0.000076	0.00014	0.00077	0.0018	0.00059	0.00046
13	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000062	0.000072	0.00013	0.00068	0.0017	0.00055	0.00045
13	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000092	0.0000092	0.0000065	0.000064	0.000099	0.00059	0.0014	0.00038	0.0004
13	June	0.000099	2.5	0.0097	0.0000012	0.00022	0.00092	0.93	0.000092	0.0000064	0.0000073	0.000067	0.000094	0.00063	0.0014	0.00027	0.00037
13	July	0.00012	2.7	0.011	0.0000013	0.00024	0.0011	1.0	0.00011	0.0000063	0.0000081	0.000076	0.0001	0.00073	0.0015	0.00029	0.0004
13	August	0.00013	3.0	0.013	0.0000014	0.00027	0.0011	1.1	0.00012	0.000007	0.0000078	0.000088	0.00012	0.00083	0.0017	0.00037	0.00046

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000075	0.0000068	0.000094	0.00012	0.00084	0.0017	0.00039	0.00051
13	October	0.00015	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000096	0.0000061	0.000095	0.00012	0.00085	0.0016	0.00039	0.00054
13	November	0.00015	3.0	0.013	0.0000012	0.00029	0.0012	1.2	0.00012	0.000013	0.000006	0.000094	0.00013	0.00088	0.0017	0.00042	0.00054
13	December	0.00014	3.1	0.012	0.0000012	0.00028	0.0012	1.2	0.00012	0.000014	0.000006	0.000087	0.00013	0.00086	0.0017	0.00049	0.00049
14	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000061	0.000082	0.00014	0.00084	0.0017	0.00054	0.00047
14	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.3	0.00013	0.000014	0.0000065	0.00008	0.00014	0.00081	0.0018	0.00058	0.00047
14	March	0.00012	3.3	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000062	0.000077	0.00014	0.00077	0.0018	0.00059	0.00047
14	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0012	1.2	0.00011	0.000013	0.0000058	0.000071	0.00012	0.00068	0.0017	0.00055	0.00044
14	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.000091	0.0000092	0.0000058	0.000062	0.000098	0.00058	0.0014	0.00038	0.00039
14	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000064	0.0000066	0.000066	0.000093	0.00063	0.0014	0.00027	0.00037
14	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000063	0.0000074	0.000076	0.0001	0.00073	0.0015	0.00029	0.0004
14	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000076	0.000088	0.00012	0.00083	0.0017	0.00037	0.00047
14	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000075	0.0000076	0.000094	0.00012	0.00084	0.0017	0.00039	0.00053
14	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000079	0.000095	0.00012	0.00085	0.0017	0.00039	0.00058
14	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.1	0.00012	0.000013	0.0000083	0.000091	0.00013	0.00088	0.0017	0.00042	0.00058
14	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000079	0.000084	0.00013	0.00086	0.0017	0.00049	0.00052
15	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000077	0.00008	0.00014	0.00084	0.0017	0.00054	0.00049
15	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000074	0.000077	0.00014	0.00081	0.0018	0.00058	0.00047
15	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000071	0.000074	0.00014	0.00077	0.0018	0.00059	0.00047
15	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.1	0.00011	0.000013	0.0000064	0.000069	0.00012	0.00068	0.0017	0.00055	0.00045
15	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.000091	0.0000092	0.000006	0.000061	0.000098	0.00058	0.0014	0.00038	0.00039
15	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000065	0.0000065	0.000065	0.000093	0.00063	0.0014	0.00027	0.00037
15	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000072	0.000074	0.0001	0.00073	0.0015	0.00029	0.0004
15	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000073	0.000085	0.00012	0.00083	0.0017	0.00037	0.00047
15	September	0.00013	3.0	0.014	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000075	0.0000073	0.000091	0.00012	0.00084	0.0017	0.00039	0.00053
15	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000077	0.000092	0.00012	0.00085	0.0017	0.00039	0.00058
15	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.1	0.00012	0.000013	0.0000082	0.000089	0.00013	0.00088	0.0017	0.00042	0.00058
15	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000077	0.000082	0.00013	0.00086	0.0017	0.00049	0.00052
16	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000074	0.000078	0.00014	0.00084	0.0017	0.00054	0.00048
16	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000073	0.000076	0.00014	0.00081	0.0018	0.00058	0.00047
16	March	0.00012	3.2	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.0000068	0.000074	0.00014	0.00077	0.0018	0.00059	0.00047
16	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.1	0.00011	0.000013	0.0000066	0.000069	0.00013	0.00068	0.0017	0.00055	0.00046
16	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.000091	0.0000092	0.0000061	0.000062	0.000098	0.00058	0.0014	0.00038	0.0004
16	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000091	0.0000064	0.0000066	0.000065	0.000093	0.00063	0.0014	0.00027	0.00037
16	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000063	0.0000073	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
16	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000074	0.000086	0.00012	0.00083	0.0017	0.00037	0.00047
16	September	0.00013	3.0	0.014	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000075	0.0000074	0.000092	0.00012	0.00084	0.0017	0.00039	0.00053
16	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000078	0.000093	0.00012	0.00085	0.0017	0.00039	0.00059
16	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.1	0.00012	0.000013	0.0000084	0.00009	0.00013	0.00088	0.0017	0.00042	0.00059
16	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000079	0.000084	0.00013	0.00086	0.0017	0.00049	0.00053
17	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.00008	0.00014	0.00084	0.0017	0.00054	0.00049
17	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000075	0.000077	0.00014	0.00081	0.0018	0.00058	0.00048
17	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000073	0.000075	0.00014	0.00077	0.0018	0.00059	0.00048
17	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.1	0.00011	0.000013	0.0000066	0.00007	0.00013	0.00068	0.0017	0.00055	0.00046
17	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.000091	0.0000092	0.0000061	0.000062	0.000098	0.00058	0.0014	0.00038	0.0004
17	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000064	0.0000066	0.000065	0.000093	0.00063	0.0014	0.00027	0.00037
17	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000063	0.0000073	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
17	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000074	0.000087	0.00012	0.00083	0.0017	0.00037	0.00047
17	September	0.00013	3.0	0.014	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000075	0.0000074	0.000093	0.00012	0.00084	0.0017	0.00039	0.00054
17	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000079	0.000094	0.00012	0.00085	0.0017	0.00039	0.00059
17	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.1	0.00012	0.000013	0.0000085	0.000091	0.00013	0.00088	0.0017	0.00042	0.00059
17	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.000008	0.000084	0.00013	0.00086	0.0017	0.00049	0.00053
18	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.00008	0.00014	0.00084	0.0017	0.00054	0.0005
18	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000076	0.000077	0.00014	0.00081	0.0018	0.00058	0.00048
18	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000073	0.000075	0.00014	0.00077	0.0018	0.00059	0.00048
18	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000065	0.00007	0.00013	0.00068	0.0017	0.00055	0.00046

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.000087	2.5	0.0094	0.000001	0.00021	0.00093	0.94	0.000091	0.0000092	0.000006	0.000062	0.000098	0.00058	0.0014	0.00038	0.0004
18	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000065	0.0000066	0.000065	0.000093	0.00063	0.0014	0.00027	0.00037
18	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000074	0.000075	0.0001	0.00073	0.0015	0.00029	0.00041
18	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000076	0.000086	0.00012	0.00083	0.0017	0.00037	0.00048
18	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000075	0.0000075	0.000092	0.00012	0.00084	0.0017	0.00039	0.00054
18	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000077	0.000093	0.00012	0.00085	0.0017	0.00039	0.00059
18	November	0.00015	3.0	0.013	0.0000012	0.0003	0.0012	1.1	0.00012	0.000013	0.0000083	0.00009	0.00013	0.00088	0.0017	0.00042	0.00059
18	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000082	0.000084	0.00013	0.00086	0.0017	0.00049	0.00054
19	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000079	0.00008	0.00014	0.00084	0.0017	0.00054	0.0005
19	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000077	0.000077	0.00014	0.00081	0.0018	0.00058	0.00049
19	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000072	0.000075	0.00014	0.00077	0.0018	0.00059	0.00049
19	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.1	0.00011	0.000013	0.0000068	0.00007	0.00013	0.00068	0.0017	0.00055	0.00047
19	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.94	0.000091	0.0000092	0.0000062	0.000062	0.000098	0.00058	0.0014	0.00038	0.0004
19	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000065	0.0000066	0.000065	0.000093	0.00063	0.0014	0.00027	0.00037
19	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000074	0.000075	0.0001	0.00073	0.0015	0.00029	0.00041
19	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.000007	0.0000076	0.000087	0.00012	0.00083	0.0017	0.00037	0.00048
19	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000075	0.0000075	0.000093	0.00012	0.00084	0.0017	0.00039	0.00054
19	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000077	0.000094	0.00012	0.00085	0.0017	0.00039	0.00059
19	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000083	0.000091	0.00013	0.00088	0.0017	0.00042	0.00059
19	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000082	0.000084	0.00013	0.00086	0.0017	0.00049	0.00054
20	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.00008	0.00014	0.00084	0.0017	0.00054	0.0005
20	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000077	0.000078	0.00014	0.00081	0.0018	0.00058	0.00049
20	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000072	0.000075	0.00014	0.00077	0.0018	0.00059	0.00049
20	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000068	0.00007	0.00013	0.00068	0.0017	0.00055	0.00047
20	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.94	0.000092	0.0000092	0.0000062	0.000062	0.000099	0.00058	0.0014	0.00038	0.0004
20	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000092	0.0000065	0.0000066	0.000065	0.000094	0.00063	0.0014	0.00027	0.00037
20	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000073	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
20	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.0000071	0.0000075	0.000087	0.00012	0.00083	0.0017	0.00037	0.00047
20	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000076	0.0000075	0.000093	0.00012	0.00084	0.0017	0.00039	0.00054
20	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000078	0.000094	0.00012	0.00085	0.0017	0.00039	0.00059
20	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000085	0.000091	0.00013	0.00088	0.0017	0.00042	0.0006
20	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000084	0.000085	0.00014	0.00086	0.0017	0.00049	0.00054
21	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000079	0.00008	0.00014	0.00084	0.0017	0.00054	0.0005
21	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.000078	0.00014	0.00081	0.0018	0.00058	0.00049
21	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000073	0.000076	0.00014	0.00077	0.0018	0.00059	0.00048
21	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000068	0.00007	0.00013	0.00068	0.0017	0.00055	0.00047
21	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.95	0.000092	0.0000092	0.0000061	0.000062	0.000099	0.00058	0.0014	0.00038	0.00039
21	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000093	0.0000065	0.0000065	0.000065	0.000094	0.00063	0.0014	0.00027	0.00037
21	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000073	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
21	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.0000071	0.0000075	0.000087	0.00012	0.00083	0.0017	0.00037	0.00047
21	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000076	0.0000075	0.000093	0.00012	0.00084	0.0017	0.00039	0.00053
21	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000097	0.0000078	0.000094	0.00012	0.00085	0.0017	0.00039	0.00059
21	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000085	0.000092	0.00013	0.00088	0.0017	0.00042	0.0006
21	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0012	1.2	0.00012	0.000014	0.0000083	0.000085	0.00014	0.00086	0.0017	0.00049	0.00055
22	January	0.00014	3.2	0.012	0.0000012	0.00029	0.0013	1.2	0.00013	0.000014	0.000008	0.00008	0.00014	0.00084	0.0017	0.00054	0.00051
22	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.000078	0.00014	0.00081	0.0018	0.00058	0.00049
22	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000073	0.000075	0.00014	0.00077	0.0018	0.00059	0.00048
22	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000069	0.000069	0.00013	0.00068	0.0017	0.00055	0.00046
22	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00093	0.94	0.000092	0.0000092	0.0000064	0.000062	0.000099	0.00058	0.0014	0.00038	0.0004
22	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00092	0.93	0.000093	0.0000065	0.0000067	0.000065	0.000094	0.00063	0.0014	0.00027	0.00037
22	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000073	0.000075	0.0001	0.00073	0.0015	0.00029	0.0004
22	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0011	1.1	0.00012	0.0000071	0.0000075	0.000087	0.00012	0.00083	0.0017	0.00037	0.00047
22	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000076	0.0000075	0.000093	0.00012	0.00084	0.0017	0.00039	0.00054
22	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00012	0.0000098	0.0000079	0.000094	0.00012	0.00085	0.0017	0.00039	0.00059
22	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000083	0.000093	0.00013	0.00088	0.0017	0.00042	0.0006
22	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00012	0.000014	0.000008	0.000085	0.00014	0.00086	0.0017	0.00049	0.00054

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.000079	0.00014	0.00084	0.0018	0.00054	0.00049
23	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000075	0.000077	0.00014	0.00081	0.0018	0.00058	0.00047
23	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000072	0.000075	0.00014	0.00077	0.0018	0.00059	0.00048
23	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000065	0.00007	0.00013	0.00068	0.0017	0.00055	0.00046
23	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00094	0.95	0.000092	0.0000092	0.000006	0.000061	0.000099	0.00058	0.0014	0.00038	0.0004
23	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00093	0.93	0.000093	0.0000065	0.0000066	0.000064	0.000094	0.00063	0.0014	0.00027	0.00036
23	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000074	0.000073	0.0001	0.00073	0.0015	0.00029	0.0004
23	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0012	1.1	0.00013	0.0000071	0.0000078	0.000085	0.00012	0.00083	0.0017	0.00037	0.00048
23	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000076	0.0000077	0.000091	0.00012	0.00084	0.0017	0.00039	0.00054
23	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00013	0.0000098	0.0000079	0.000092	0.00013	0.00085	0.0017	0.00039	0.00059
23	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000084	0.00009	0.00013	0.00088	0.0017	0.00042	0.0006
23	December	0.00014	3.1	0.012	0.0000013	0.00029	0.0012	1.2	0.00013	0.000014	0.0000081	0.000083	0.00014	0.00086	0.0017	0.00049	0.00054
24	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.000078	0.00014	0.00084	0.0018	0.00054	0.00049
24	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000076	0.000076	0.00014	0.00081	0.0018	0.00058	0.00047
24	March	0.00012	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000072	0.000074	0.00014	0.00077	0.0018	0.00059	0.00048
24	April	0.0001	3.0	0.011	0.0000011	0.00026	0.0012	1.2	0.00011	0.000013	0.0000067	0.00007	0.00013	0.00068	0.0017	0.00055	0.00047
24	May	0.000087	2.5	0.0094	0.000001	0.00022	0.00094	0.95	0.000092	0.0000092	0.0000061	0.000062	0.000099	0.00059	0.0014	0.00038	0.0004
24	June	0.000099	2.5	0.0097	0.0000012	0.00021	0.00093	0.93	0.000093	0.0000065	0.0000066	0.000065	0.000094	0.00063	0.0014	0.00027	0.00036
24	July	0.00012	2.7	0.011	0.0000013	0.00023	0.0011	1.0	0.00011	0.0000064	0.0000074	0.000074	0.0001	0.00073	0.0015	0.00029	0.0004
24	August	0.00013	3.0	0.013	0.0000014	0.00026	0.0012	1.1	0.00013	0.0000071	0.0000077	0.000087	0.00012	0.00083	0.0017	0.00037	0.00048
24	September	0.00013	3.0	0.014	0.0000013	0.00027	0.0011	1.1	0.00013	0.0000077	0.0000076	0.000093	0.00012	0.00084	0.0017	0.00039	0.00054
24	October	0.00015	3.0	0.014	0.0000013	0.00028	0.0011	1.1	0.00013	0.0000098	0.0000078	0.000094	0.00013	0.00085	0.0017	0.00039	0.00059
24	November	0.00015	3.0	0.013	0.0000013	0.0003	0.0012	1.1	0.00012	0.000013	0.0000085	0.000092	0.00013	0.00088	0.0017	0.00042	0.0006
24	December	0.00014	3.1	0.012	0.0000013	0.0003	0.0012	1.2	0.00013	0.000014	0.0000084	0.000085	0.00014	0.00086	0.0017	0.00049	0.00055
25	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000078	0.000079	0.00014	0.00084	0.0018	0.00054	0.00049
25	February	0.00013	3.3	0.012	0.0000012	0.00028	0.0013	1.2	0.00013	0.000014	0.0000076	0.000077	0.00014	0.00081	0.0018	0.00058	0.00048
25	March	0.00012	3.2	0.012	0.0000012	0.00027	0.0013	1.2	0.00013	0.000014	0.000007	0.000074	0.00014	0.00077	0.0018	0.00059	0.00048
25	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0012	1.2	0.00011	0.000013	0.0000065	0.000068	0.00013	0.00069	0.0018	0.00055	0.00046
25	May	0.000087	2.5	0.0094	0.000001	0.00021	0.001	0.95	0.00009	0.0000092	0.0000056	0.00006	0.000099	0.00059	0.0015	0.00038	0.00039
25	June	0.0001	2.5	0.0097	0.0000012	0.0002	0.001	0.93	0.000091	0.0000065	0.000006	0.000063	0.000095	0.00063	0.0014	0.00027	0.00037
25	July	0.00012	2.7	0.011	0.0000013	0.00022	0.0011	1.0	0.00011	0.0000064	0.000007	0.000073	0.00011	0.00073	0.0016	0.00029	0.00042
25	August	0.00013	3.0	0.013	0.0000014	0.00025	0.0013	1.1	0.00012	0.0000071	0.0000082	0.000085	0.00012	0.00083	0.0018	0.00037	0.00052
25	September	0.00014	3.0	0.014	0.0000013	0.00026	0.0012	1.1	0.00012	0.0000077	0.0000086	0.000091	0.00013	0.00084	0.0018	0.00039	0.0006
25	October	0.00015	3.0	0.014	0.0000013	0.00027	0.0013	1.1	0.00012	0.0000098	0.0000088	0.000091	0.00013	0.00085	0.0018	0.00039	0.00065
25	November	0.00015	3.0	0.013	0.0000013	0.00029	0.0013	1.1	0.00012	0.000013	0.0000093	0.000088	0.00013	0.00088	0.0018	0.00042	0.00063
25	December	0.00014	3.1	0.012	0.0000012	0.00029	0.0013	1.2	0.00012	0.000014	0.0000096	0.000082	0.00014	0.00086	0.0018	0.00049	0.00057
26	January	0.00014	3.2	0.012	0.0000012	0.00028	0.0014	1.2	0.00013	0.000014	0.000009	0.000078	0.00014	0.00084	0.0018	0.00054	0.00053
26	February	0.00013	3.3	0.012	0.0000012	0.00027	0.0014	1.2	0.00013	0.000014	0.0000083	0.000074	0.00014	0.00081	0.0018	0.00058	0.0005
26	March	0.00012	3.2	0.012	0.0000012	0.00027	0.0014	1.2	0.00012	0.000014	0.0000075	0.000071	0.00014	0.00077	0.0019	0.00059	0.00048
26	April	0.0001	3.0	0.011	0.0000011	0.00025	0.0013	1.2	0.00011	0.000013	0.0000065	0.000066	0.00013	0.00069	0.0018	0.00055	0.00047
26	May	0.000088	2.5	0.0094	0.000001	0.0002	0.0011	0.94	0.000088	0.0000092	0.0000054	0.000058	0.0001	0.00059	0.0015	0.00038	0.0004
26	June	0.0001	2.5	0.0098	0.0000012	0.00019	0.0011	0.93	0.000089	0.0000065	0.0000055	0.000061	0.000095	0.00063	0.0015	0.00027	0.00037
26	July	0.00012	2.7	0.011	0.0000013	0.00021	0.0013	1.0	0.0001	0.0000064	0.0000064	0.000071	0.00011	0.00073	0.0017	0.00029	0.00042
26	August	0.00013	3.0	0.014	0.0000014	0.00024	0.0015	1.1	0.00012	0.0000071	0.0000073	0.000082	0.00012	0.00084	0.0019	0.00037	0.00052
26	September	0.00014	3.0	0.014	0.0000013	0.00024	0.0015	1.1	0.00012	0.0000076	0.0000077	0.000087	0.00013	0.00084	0.0019	0.00039	0.0006
26	October	0.00015	2.9	0.014	0.0000013	0.00025	0.0015	1.1	0.00012	0.0000097	0.0000077	0.000086	0.00013	0.00085	0.0019	0.00039	0.00064
26	November	0.00015	3.0	0.013	0.0000012	0.00027	0.0015	1.1	0.00012	0.000013	0.0000081	0.000082	0.00013	0.00088	0.002	0.00042	0.00062
26	December	0.00014	3.1	0.012	0.0000012	0.00027	0.0015	1.2	0.00012	0.000014	0.0000085	0.000078	0.00014	0.00086	0.0019	0.00049	0.00057
27	January	0.00014	3.2	0.012	0.0000012	0.00027	0.0015	1.2	0.00012	0.000014	0.0000086	0.000073	0.00014	0.00084	0.0019	0.00054	0.00052
27	February	0.00013	3.3	0.012	0.0000012	0.00026	0.0014	1.2	0.00013	0.000014	0.000008	0.000069	0.00014	0.00082	0.0019	0.00058	0.00046
27	March	0.00012	3.3	0.012	0.0000012	0.00026	0.0014	1.2	0.00012	0.000014	0.0000071	0.000064	0.00014	0.00077	0.0019	0.00059	0.00041
27	April	0.0001	3.0	0.011	0.0000011	0.00024	0.0012	1.1	0.00011	0.000013	0.0000057	0.000055	0.00012	0.00069	0.0017	0.00055	0.00034
27	May	0.000084	2.5	0.0094	0.00000096	0.00019	0.00094	0.93	0.000082	0.0000088	0.0000042	0.000043	0.000095	0.00058	0.0014	0.00038	0.00022
27	June	0.000097	2.4	0.0097	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000043	0.000089	0.00062	0.0013	0.00027	0.00014
27	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
27	August	0.00012	3.0	0.013	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00036	0.00017

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
27	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00022
27	November	0.00015	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00023
27	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
28	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00013	0.00083	0.0017	0.00054	0.00026
28	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00057	0.00027
28	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000054	0.00014	0.00077	0.0018	0.00059	0.00029
28	April	0.000098	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00069	0.0017	0.00055	0.00027
28	May	0.000084	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000042	0.000094	0.00058	0.0014	0.00038	0.00019
28	June	0.000096	2.4	0.0097	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00062	0.0013	0.00027	0.00014
28	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
28	August	0.00012	3.0	0.013	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00036	0.00017
28	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
28	October	0.00015	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00022
28	November	0.00015	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00023
28	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
29	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00013	0.00083	0.0017	0.00054	0.00026
29	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00057	0.00027
29	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000054	0.00014	0.00077	0.0018	0.00059	0.00029
29	April	0.000098	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00069	0.0017	0.00055	0.00027
29	May	0.000083	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000042	0.000094	0.00058	0.0014	0.00038	0.00019
29	June	0.000096	2.4	0.0097	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00062	0.0013	0.00027	0.00014
29	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
29	August	0.00012	3.0	0.013	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00036	0.00017
29	September	0.00013	3.0	0.014	0.0000012	0.00022	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
29	October	0.00014	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000052	0.00012	0.00084	0.0016	0.00039	0.00022
29	November	0.00014	3.0	0.013	0.0000011	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00087	0.0017	0.00042	0.00023
29	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00085	0.0017	0.00049	0.00024
30	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00011	0.000014	0.0000058	0.000054	0.00013	0.00083	0.0017	0.00054	0.00026
30	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00057	0.00027
30	March	0.00012	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000054	0.00014	0.00077	0.0018	0.00059	0.00029
30	April	0.000098	3.0	0.011	0.000001	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00069	0.0017	0.00055	0.00027
30	May	0.000083	2.5	0.0094	0.00000095	0.00019	0.00093	0.93	0.000081	0.0000088	0.0000039	0.000042	0.000094	0.00058	0.0014	0.00038	0.00019
30	June	0.000096	2.4	0.0097	0.0000011	0.00017	0.00092	0.91	0.000081	0.000006	0.0000042	0.000042	0.000089	0.00062	0.0013	0.00027	0.00014
30	July	0.00011	2.7	0.011	0.0000013	0.00019	0.001	1.0	0.000093	0.0000058	0.0000048	0.000048	0.000099	0.00073	0.0015	0.00029	0.00014
30	August	0.00012	3.0	0.013	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000053	0.00011	0.00083	0.0017	0.00036	0.00017
30	September	0.00013	3.0	0.014	0.0000012	0.00023	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00039	0.00019
30	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000055	0.00012	0.00084	0.0016	0.00039	0.00022
30	November	0.00014	3.0	0.013	0.0000012	0.00027	0.0012	1.1	0.0001	0.000012	0.0000056	0.000055	0.00012	0.00087	0.0017	0.00042	0.00023
30	December	0.00014	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00011	0.000013	0.0000057	0.000056	0.00013	0.00086	0.0017	0.00049	0.00024
31	January	0.00013	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000058	0.000057	0.00014	0.00084	0.0017	0.00054	0.00026
31	February	0.00012	3.3	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000057	0.000057	0.00014	0.00081	0.0017	0.00057	0.00027
31	March	0.00011	3.2	0.012	0.0000011	0.00026	0.0013	1.2	0.00012	0.000014	0.0000054	0.000056	0.00014	0.00077	0.0018	0.00059	0.00029
31	April	0.000097	3.0	0.011	0.000001	0.00024	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00027
31	May	0.000083	2.5	0.0094	0.00000096	0.00019	0.00093	0.94	0.000082	0.0000088	0.0000039	0.000043	0.000095	0.00058	0.0014	0.00038	0.00019
31	June	0.000096	2.4	0.0097	0.0000011	0.00018	0.00092	0.92	0.000082	0.0000061	0.0000042	0.000044	0.00009	0.00063	0.0013	0.00027	0.00014
31	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1	0.000095	0.0000059	0.0000048	0.00005	0.0001	0.00073	0.0015	0.00029	0.00014
31	August	0.00012	3.0	0.013	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000056	0.00012	0.00083	0.0017	0.00036	0.00017
31	September	0.00013	3.0	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000057	0.00012	0.00084	0.0017	0.00039	0.00019
31	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000054	0.000055	0.00012	0.00085	0.0016	0.00039	0.00022
31	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000057	0.000055	0.00012	0.00088	0.0017	0.00042	0.00023
31	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000058	0.000055	0.00013	0.00086	0.0017	0.00049	0.00024
32	January	0.00013	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000058	0.000056	0.00014	0.00084	0.0017	0.00054	0.00026
32	February	0.00013	3.3	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000057	0.000057	0.00014	0.00081	0.0017	0.00057	0.00027
32	March	0.00011	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000056	0.00014	0.00077	0.0018	0.00059	0.00029
32	April	0.000097	3.0	0.011	0.000001	0.00024	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00027

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000083	2.5	0.0094	0.00000096	0.00019	0.00093	0.94	0.000082	0.0000088	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00038	0.00019
32	June	0.000096	2.4	0.0097	0.0000011	0.00018	0.00092	0.92	0.000082	0.0000061	0.0000042	0.000044	0.00009	0.00063	0.0013	0.00027	0.00014
32	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1	0.000095	0.0000059	0.0000048	0.00005	0.0001	0.00073	0.0015	0.00029	0.00014
32	August	0.00012	3.0	0.013	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000056	0.00012	0.00083	0.0017	0.00036	0.00017
32	September	0.00013	3.0	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000057	0.00012	0.00084	0.0017	0.00039	0.00019
32	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000054	0.000055	0.00012	0.00085	0.0016	0.00039	0.00022
32	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000057	0.000055	0.00012	0.00088	0.0017	0.00042	0.00023
32	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000058	0.000055	0.00013	0.00086	0.0017	0.00049	0.00024
33	January	0.00013	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000058	0.000056	0.00014	0.00084	0.0017	0.00054	0.00026
33	February	0.00013	3.3	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000057	0.000057	0.00014	0.00081	0.0017	0.00057	0.00027
33	March	0.00011	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000056	0.00014	0.00077	0.0018	0.00059	0.00029
33	April	0.000097	3.0	0.011	0.000001	0.00024	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00027
33	May	0.000083	2.5	0.0094	0.00000096	0.00019	0.00093	0.94	0.000082	0.0000088	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00038	0.00019
33	June	0.000096	2.4	0.0097	0.0000011	0.00018	0.00092	0.92	0.000082	0.0000061	0.0000042	0.000044	0.00009	0.00063	0.0013	0.00027	0.00014
33	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1	0.000095	0.0000059	0.0000048	0.00005	0.0001	0.00073	0.0015	0.00029	0.00014
33	August	0.00012	3.0	0.013	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000056	0.00012	0.00083	0.0017	0.00036	0.00017
33	September	0.00013	3.0	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000057	0.00012	0.00084	0.0017	0.00039	0.00019
33	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000054	0.000055	0.00012	0.00085	0.0016	0.00039	0.00022
33	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000057	0.000055	0.00012	0.00088	0.0017	0.00042	0.00023
33	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000058	0.000055	0.00013	0.00086	0.0017	0.00049	0.00024
34	January	0.00013	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000058	0.000056	0.00014	0.00084	0.0017	0.00054	0.00026
34	February	0.00013	3.3	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00057	0.00027
34	March	0.00011	3.2	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000014	0.0000054	0.000056	0.00014	0.00077	0.0018	0.00059	0.00029
34	April	0.000098	3.0	0.011	0.0000011	0.00024	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00069	0.0017	0.00055	0.00027
34	May	0.000083	2.5	0.0094	0.00000096	0.00019	0.00093	0.93	0.000082	0.0000088	0.0000039	0.000042	0.000096	0.00059	0.0014	0.00039	0.00019
34	June	0.000096	2.4	0.0097	0.0000011	0.00018	0.00092	0.91	0.000081	0.000006	0.0000042	0.000043	0.00009	0.00063	0.0013	0.00027	0.00014
34	July	0.00011	2.7	0.011	0.0000013	0.0002	0.001	1.0	0.000094	0.0000059	0.0000048	0.000048	0.0001	0.00073	0.0015	0.00029	0.00014
34	August	0.00012	3.0	0.013	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000064	0.0000054	0.000054	0.00011	0.00083	0.0017	0.00037	0.00017
34	September	0.00013	3.0	0.014	0.0000012	0.00023	0.0011	1.1	0.00011	0.0000068	0.0000054	0.000054	0.00012	0.00084	0.0017	0.00039	0.00019
34	October	0.00014	2.9	0.014	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000089	0.0000053	0.000053	0.00012	0.00085	0.0016	0.00039	0.00021
34	November	0.00014	3.0	0.013	0.0000012	0.00025	0.0012	1.1	0.0001	0.000012	0.0000056	0.000052	0.00012	0.00088	0.0017	0.00042	0.00023
34	December	0.00014	3.1	0.012	0.0000012	0.00025	0.0012	1.2	0.00011	0.000013	0.0000057	0.000053	0.00013	0.00086	0.0017	0.00049	0.00024
35	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00054	0.00025
35	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000055	0.00014	0.00081	0.0017	0.00058	0.00027
35	March	0.00011	3.2	0.012	0.0000011	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.00028
35	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.00005	0.00012	0.00068	0.0017	0.00055	0.00026
35	May	0.000083	2.5	0.0094	0.00000096	0.00019	0.00093	0.93	0.000082	0.0000088	0.0000039	0.000042	0.000096	0.00058	0.0014	0.00039	0.00019
35	June	0.000096	2.4	0.0097	0.0000011	0.00018	0.00092	0.91	0.000081	0.0000061	0.0000042	0.000043	0.00009	0.00063	0.0013	0.00027	0.00014
35	July	0.00011	2.7	0.011	0.0000013	0.0002	0.001	1.0	0.000094	0.0000059	0.0000048	0.000048	0.0001	0.00073	0.0015	0.00029	0.00014
35	August	0.00012	3.0	0.014	0.0000013	0.00022	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00011	0.00083	0.0017	0.00037	0.00017
35	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
35	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000053	0.00012	0.00085	0.0016	0.00039	0.00021
35	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00012	0.00088	0.0017	0.00042	0.00023
35	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
36	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
36	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
36	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.00059	0.00028
36	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
36	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
36	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
36	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
36	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
36	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
36	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
36	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
36	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
37	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
37	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
37	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
37	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
37	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
37	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
37	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
37	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
37	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
37	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
37	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
38	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
38	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
38	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
38	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
38	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
38	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
38	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
38	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
38	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
38	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
38	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
38	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
39	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
39	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
39	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
39	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
39	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
39	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
39	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
39	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
39	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
39	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
39	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
39	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
40	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
40	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
40	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
40	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
40	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
40	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
40	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
40	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
40	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
40	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
40	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
40	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
41	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
41	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
41	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
41	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
41	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
41	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
41	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
41	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
41	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
41	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
41	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
42	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
42	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
42	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
42	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
42	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
42	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
42	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
42	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
42	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
42	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
42	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
42	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
43	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
43	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
43	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
43	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
43	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
43	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
43	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
43	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
43	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
43	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
43	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
43	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
44	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
44	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
44	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
44	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
44	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
44	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
44	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
44	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
44	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
44	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
44	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
44	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
45	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
45	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
45	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
45	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
45	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
45	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
45	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
45	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
45	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
45	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
45	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
45	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
46	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
46	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
46	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
46	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
46	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
46	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
46	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
46	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
46	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
46	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
46	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
47	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
47	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
47	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
47	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
47	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
47	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
47	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
47	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
47	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
47	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
47	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
47	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
48	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
48	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
48	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
48	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
48	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
48	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
48	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
48	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
48	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
48	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
48	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
48	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
49	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
49	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
49	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
49	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
49	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
49	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
49	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
49	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
49	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
49	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
49	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
49	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
50	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
50	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
50	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
50	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
50	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
50	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
50	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
50	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
50	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
50	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
50	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
50	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
51	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
51	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
51	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
51	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
51	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
51	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
51	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
51	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
51	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
51	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
51	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
52	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
52	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
52	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
52	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
52	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
52	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
52	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
52	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
52	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
52	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
52	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
52	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
53	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
53	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
53	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
53	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
53	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
53	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
53	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
53	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
53	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
53	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
53	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
53	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
54	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
54	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
54	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
54	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
54	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
54	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
54	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
54	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
54	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
54	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
54	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
54	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
55	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
55	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
55	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
55	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
55	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
55	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
55	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
55	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
55	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
55	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
55	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
56	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
56	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
56	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
56	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
56	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
56	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
56	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
56	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
56	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
56	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
56	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
56	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
57	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
57	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
57	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
57	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
57	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
57	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
57	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
57	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
57	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
57	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
57	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
57	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
58	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
58	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
58	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
58	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
58	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
58	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
58	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
58	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
58	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
58	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
58	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
58	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
59	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
59	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
59	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
59	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
59	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
59	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
59	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
59	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
59	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
59	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
59	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
59	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
60	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
60	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
60	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
60	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
60	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
60	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
60	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
60	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
60	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
60	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
60	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
61	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
61	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
61	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
61	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
61	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
61	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
61	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
61	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
61	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
61	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
61	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
61	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
62	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
62	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
62	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
62	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
62	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
62	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
62	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
62	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
62	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
62	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
62	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
62	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
63	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
63	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
63	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
63	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
63	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
63	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
63	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
63	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
63	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
63	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
63	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
63	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
64	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
64	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
64	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
64	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
64	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
64	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
64	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
64	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
64	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
64	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
64	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
64	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
65	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
65	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
65	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
65	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
65	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
65	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
65	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
65	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
65	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
65	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
65	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
66	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
66	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
66	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
66	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
66	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
66	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
66	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
66	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
66	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
66	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
66	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
66	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
67	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
67	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
67	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
67	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
67	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000096	0.00058	0.0014	0.00039	0.00019
67	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
67	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
67	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
67	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
67	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
67	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
67	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
68	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
68	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
68	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
68	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
68	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
68	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
68	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
68	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
68	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
68	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
68	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
68	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
69	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
69	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
69	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
69	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
69	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
69	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
69	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1.0	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
69	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017

Table G-11: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-L)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
69	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
69	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
69	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024
70	January	0.00013	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000058	0.000055	0.00014	0.00084	0.0017	0.00055	0.00025
70	February	0.00013	3.3	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000057	0.000056	0.00014	0.00081	0.0017	0.00058	0.00027
70	March	0.00011	3.2	0.012	0.0000012	0.00025	0.0013	1.2	0.00012	0.000014	0.0000054	0.000055	0.00014	0.00077	0.0018	0.0006	0.00028
70	April	0.000097	3.0	0.011	0.0000011	0.00023	0.0012	1.1	0.0001	0.000013	0.0000048	0.000051	0.00012	0.00068	0.0017	0.00055	0.00026
70	May	0.000083	2.5	0.0095	0.00000097	0.00019	0.00093	0.93	0.000083	0.0000089	0.0000039	0.000043	0.000097	0.00059	0.0014	0.00039	0.00019
70	June	0.000096	2.4	0.0098	0.0000011	0.00018	0.00092	0.92	0.000083	0.0000061	0.0000042	0.000043	0.000091	0.00063	0.0014	0.00028	0.00014
70	July	0.00011	2.7	0.011	0.0000013	0.0002	0.0011	1	0.000096	0.000006	0.0000048	0.000049	0.0001	0.00073	0.0015	0.00029	0.00014
70	August	0.00012	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000065	0.0000054	0.000054	0.00012	0.00083	0.0017	0.00037	0.00017
70	September	0.00013	3.0	0.014	0.0000013	0.00023	0.0011	1.1	0.00011	0.0000069	0.0000054	0.000055	0.00012	0.00084	0.0017	0.00039	0.00019
70	October	0.00014	2.9	0.014	0.0000012	0.00024	0.0011	1.1	0.00011	0.000009	0.0000053	0.000054	0.00012	0.00085	0.0016	0.00039	0.00021
70	November	0.00014	3.0	0.013	0.0000012	0.00026	0.0012	1.1	0.0001	0.000012	0.0000056	0.000053	0.00013	0.00088	0.0017	0.00043	0.00023
70	December	0.00014	3.1	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000013	0.0000057	0.000054	0.00013	0.00086	0.0017	0.00049	0.00024

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	1.8	0.024	0.023	0.0029	0.031	4.0	0.0014	0.2	0.00024	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00013	0.0015	0.26
-6	February	1.8	0.024	0.023	0.0030	0.030	3.9	0.0014	0.2	0.00024	0.0057	0.000013	0.0057	0.0000051	12	0.00056	0.00013	0.0014	0.26
-6	March	1.8	0.024	0.024	0.0032	0.030	3.9	0.0014	0.19	0.00024	0.0056	0.000012	0.0057	0.0000051	12	0.00055	0.00013	0.0014	0.25
-6	April	1.8	0.024	0.029	0.0034	0.029	3.9	0.0015	0.18	0.00024	0.0055	0.000012	0.0056	0.0000051	11	0.00054	0.00012	0.0014	0.24
-6	May	1.7	0.024	0.035	0.0034	0.027	3.7	0.0014	0.17	0.00023	0.0051	0.000011	0.0053	0.000005	11	0.00051	0.00011	0.0014	0.23
-6	June	1.6	0.021	0.033	0.0029	0.025	3.4	0.0012	0.16	0.0002	0.0045	0.00001	0.0048	0.0000044	10	0.00049	0.00011	0.0013	0.22
-6	July	1.6	0.019	0.027	0.0022	0.024	3.4	0.001	0.17	0.00019	0.0042	0.0000097	0.0047	0.000004	10	0.00049	0.00011	0.0013	0.23
-6	August	1.6	0.019	0.024	0.0019	0.025	3.5	0.00099	0.18	0.0002	0.0043	0.0000099	0.0049	0.0000039	11	0.00051	0.00012	0.0013	0.24
-6	September	1.7	0.019	0.022	0.0017	0.026	3.6	0.0011	0.19	0.00021	0.0046	0.00001	0.0051	0.000004	11	0.00052	0.00012	0.0014	0.25
-6	October	1.8	0.02	0.02	0.0018	0.027	3.7	0.0011	0.19	0.00022	0.005	0.000011	0.0052	0.0000041	11	0.00052	0.00013	0.0014	0.26
-6	November	1.8	0.022	0.02	0.0020	0.029	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000043	11	0.00054	0.00013	0.0014	0.26
-6	December	1.8	0.023	0.021	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0056	0.000012	0.0054	0.0000047	12	0.00056	0.00013	0.0014	0.26
-5	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00024	0.0058	0.000013	0.0056	0.000005	12	0.00057	0.00013	0.0015	0.27
-5	February	1.9	0.025	0.024	0.0031	0.031	4.1	0.0015	0.2	0.00025	0.0059	0.000013	0.0058	0.0000052	12	0.00058	0.00013	0.0015	0.26
-5	March	1.9	0.025	0.026	0.0035	0.031	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00013	0.0015	0.26
-5	April	1.9	0.026	0.031	0.0038	0.031	4.2	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00057	0.00013	0.0015	0.26
-5	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00025	0.0056	0.000012	0.0057	0.0000054	12	0.00055	0.00012	0.0015	0.25
-5	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0048	0.000011	0.0052	0.0000047	11	0.00051	0.00011	0.0013	0.23
-5	July	1.6	0.02	0.028	0.0024	0.025	3.5	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000042	11	0.00051	0.00012	0.0013	0.24
-5	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
-5	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
-5	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
-5	November	1.8	0.022	0.021	0.0021	0.030	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
-5	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00013	0.0014	0.27
-4	January	1.9	0.024	0.023	0.0028	0.032	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
-4	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00025	0.006	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.27
-4	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00014	0.0015	0.26
-4	April	2.0	0.026	0.031	0.0038	0.031	4.2	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000056	12	0.00058	0.00013	0.0015	0.26
-4	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0057	0.0000055	12	0.00055	0.00012	0.0015	0.25
-4	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000048	11	0.00051	0.00011	0.0013	0.23
-4	July	1.6	0.02	0.028	0.0025	0.025	3.5	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000042	11	0.00051	0.00012	0.0013	0.24
-4	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
-4	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
-4	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
-4	November	1.8	0.022	0.021	0.0021	0.030	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
-4	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00013	0.0014	0.27
-3	January	1.9	0.024	0.023	0.0028	0.032	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
-3	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00025	0.006	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.27
-3	March	1.9	0.026	0.027	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00014	0.0015	0.26
-3	April	2.0	0.027	0.032	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000057	12	0.00058	0.00013	0.0015	0.26
-3	May	1.9	0.027	0.038	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0057	0.0000056	12	0.00055	0.00012	0.0015	0.25
-3	June	1.7	0.024	0.037	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000049	11	0.00051	0.00012	0.0013	0.23
-3	July	1.6	0.022	0.031	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00051	0.00012	0.0013	0.24
-3	August	1.7	0.021	0.027	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000042	11	0.00052	0.00012	0.0013	0.25
-3	September	1.8	0.021	0.025	0.0019	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000043	11	0.00053	0.00013	0.0014	0.26
-3	October	1.8	0.023	0.024	0.0019	0.028	3.8	0.0012	0.2	0.00023	0.0051	0.000011	0.0053	0.0000044	11	0.00053	0.00013	0.0014	0.26
-3	November	1.8	0.024	0.024	0.0022	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000012	0.0053	0.0000046	11	0.00054	0.00013	0.0014	0.26
-3	December	1.8	0.025	0.025	0.0025	0.031	4.0	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000049	12	0.00056	0.00013	0.0014	0.27
-2	January	1.9	0.026	0.027	0.0029	0.032	4.1	0.0014	0.2	0.00025	0.0059	0.000013	0.0057	0.0000053	12	0.00057	0.00014	0.0015	0.27
-2	February	1.9	0.027	0.028	0.0033	0.032	4.2	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000055	12	0.00058	0.00014	0.0015	0.27
-2	March	1.9	0.028	0.03	0.0036	0.032	4.3	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000057	12	0.00058	0.00014	0.0015	0.26
-2	April	2.0	0.029	0.035	0.0039	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
-2	May	1.9	0.029	0.041	0.0040	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000057	12	0.00055	0.00012	0.0015	0.25
-2	June	1.7	0.026	0.039	0.0033	0.026	3.8	0.0013	0.17	0.00023	0.0049	0.000011	0.0052	0.000005	11	0.00051	0.00012	0.0013	0.23
-2	July	1.6	0.023	0.034	0.0026	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000045	11	0.00051	0.00012	0.0013	0.24
-2	August	1.7	0.023	0.03	0.0022	0.025	3.7	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	1.8	0.023	0.028	0.0020	0.026	3.8	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
-2	October	1.8	0.025	0.027	0.0020	0.028	3.9	0.0012	0.2	0.00023	0.0051	0.000011	0.0053	0.0000045	11	0.00053	0.00013	0.0014	0.26
-2	November	1.8	0.026	0.028	0.0022	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000012	0.0054	0.0000048	11	0.00054	0.00013	0.0014	0.26
-2	December	1.8	0.027	0.028	0.0026	0.031	4.0	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
-1	January	1.9	0.028	0.03	0.0030	0.032	4.1	0.0014	0.2	0.00025	0.0059	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
-1	February	1.9	0.029	0.03	0.0033	0.032	4.2	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.27
-1	March	1.9	0.029	0.032	0.0036	0.032	4.3	0.0016	0.2	0.00027	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.27
-1	April	2.0	0.03	0.037	0.0039	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
-1	May	1.9	0.029	0.042	0.0040	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.25
-1	June	1.7	0.025	0.038	0.0033	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.000005	11	0.00051	0.00012	0.0013	0.23
-1	July	1.6	0.022	0.031	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00051	0.00012	0.0013	0.24
-1	August	1.7	0.022	0.029	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0045	0.00001	0.005	0.0000043	11	0.00052	0.00012	0.0013	0.25
-1	September	1.8	0.024	0.029	0.0020	0.026	3.8	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
-1	October	1.8	0.026	0.03	0.0021	0.028	3.9	0.0012	0.2	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
-1	November	1.8	0.028	0.031	0.0023	0.030	4.0	0.0012	0.2	0.00024	0.0054	0.000012	0.0054	0.0000049	11	0.00054	0.00013	0.0014	0.26
-1	December	1.8	0.029	0.032	0.0027	0.031	4.1	0.0013	0.2	0.00025	0.0057	0.000012	0.0055	0.0000053	12	0.00056	0.00014	0.0014	0.27
1	January	1.9	0.03	0.033	0.0030	0.032	4.2	0.0014	0.2	0.00025	0.0059	0.000013	0.0057	0.0000056	12	0.00057	0.00014	0.0015	0.27
1	February	1.9	0.03	0.034	0.0034	0.032	4.3	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000058	12	0.00058	0.00014	0.0015	0.27
1	March	1.9	0.031	0.035	0.0037	0.032	4.4	0.0016	0.2	0.00027	0.006	0.000013	0.0061	0.000006	12	0.00058	0.00014	0.0015	0.26
1	April	2.0	0.032	0.039	0.0040	0.031	4.4	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000061	12	0.00058	0.00013	0.0015	0.26
1	May	1.9	0.033	0.049	0.0041	0.029	4.3	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.000006	12	0.00055	0.00013	0.0015	0.25
1	June	1.7	0.034	0.054	0.0036	0.026	4.0	0.0014	0.17	0.00023	0.0049	0.000011	0.0052	0.0000055	11	0.00051	0.00012	0.0014	0.23
1	July	1.7	0.036	0.055	0.0030	0.025	3.9	0.0011	0.17	0.00022	0.0044	0.00001	0.005	0.0000051	11	0.00051	0.00012	0.0013	0.24
1	August	1.7	0.038	0.056	0.0027	0.025	4.1	0.0011	0.18	0.00023	0.0044	0.00001	0.0051	0.0000052	11	0.00052	0.00013	0.0014	0.25
1	September	1.8	0.042	0.059	0.0026	0.026	4.3	0.0011	0.19	0.00024	0.0047	0.000011	0.0053	0.0000055	11	0.00053	0.00013	0.0014	0.26
1	October	1.8	0.046	0.062	0.0027	0.028	4.4	0.0012	0.2	0.00026	0.0051	0.000011	0.0054	0.0000057	11	0.00053	0.00013	0.0014	0.26
1	November	1.9	0.048	0.065	0.0030	0.029	4.6	0.0013	0.2	0.00026	0.0054	0.000012	0.0055	0.0000061	12	0.00054	0.00014	0.0014	0.26
1	December	1.9	0.049	0.066	0.0034	0.031	4.7	0.0014	0.2	0.00027	0.0057	0.000012	0.0056	0.0000064	12	0.00056	0.00014	0.0014	0.27
2	January	1.9	0.049	0.065	0.0037	0.031	4.7	0.0015	0.2	0.00028	0.0058	0.000013	0.0058	0.0000067	12	0.00057	0.00014	0.0015	0.27
2	February	1.9	0.048	0.063	0.0040	0.032	4.8	0.0015	0.2	0.00028	0.006	0.000013	0.006	0.0000068	12	0.00058	0.00014	0.0015	0.27
2	March	2.0	0.047	0.062	0.0043	0.032	4.8	0.0016	0.2	0.00029	0.006	0.000013	0.0061	0.0000069	12	0.00058	0.00014	0.0015	0.26
2	April	2.0	0.046	0.063	0.0045	0.031	4.8	0.0017	0.19	0.00029	0.0061	0.000013	0.0062	0.0000069	12	0.00058	0.00014	0.0015	0.26
2	May	1.9	0.043	0.065	0.0045	0.029	4.6	0.0016	0.18	0.00028	0.0057	0.000012	0.0059	0.0000067	12	0.00055	0.00013	0.0015	0.25
2	June	1.7	0.04	0.064	0.0038	0.026	4.3	0.0014	0.17	0.00024	0.0049	0.000011	0.0053	0.0000061	11	0.00051	0.00012	0.0014	0.23
2	July	1.7	0.04	0.061	0.0031	0.025	4.2	0.0011	0.17	0.00023	0.0044	0.00001	0.0052	0.0000057	11	0.00051	0.00012	0.0013	0.24
2	August	1.7	0.041	0.061	0.0028	0.025	4.4	0.0011	0.18	0.00024	0.0044	0.00001	0.0053	0.0000058	11	0.00052	0.00013	0.0014	0.25
2	September	1.8	0.044	0.062	0.0027	0.026	4.6	0.0011	0.19	0.00025	0.0047	0.000011	0.0054	0.0000061	11	0.00053	0.00014	0.0014	0.26
2	October	1.9	0.047	0.064	0.0028	0.028	4.8	0.0012	0.19	0.00027	0.0051	0.000011	0.0056	0.0000064	11	0.00053	0.00014	0.0014	0.26
2	November	1.9	0.05	0.067	0.0031	0.029	5.0	0.0013	0.2	0.00028	0.0054	0.000012	0.0057	0.0000069	12	0.00054	0.00014	0.0014	0.26
2	December	1.9	0.051	0.068	0.0034	0.031	5.1	0.0014	0.2	0.00028	0.0057	0.000012	0.0058	0.0000073	12	0.00056	0.00014	0.0014	0.27
3	January	2.0	0.051	0.067	0.0038	0.031	5.2	0.0015	0.2	0.00029	0.0058	0.000013	0.006	0.0000075	12	0.00057	0.00014	0.0015	0.27
3	February	2.0	0.05	0.066	0.0041	0.032	5.2	0.0016	0.2	0.0003	0.006	0.000013	0.0062	0.0000076	12	0.00058	0.00014	0.0015	0.27
3	March	2.0	0.049	0.066	0.0043	0.032	5.3	0.0016	0.2	0.0003	0.006	0.000013	0.0063	0.0000077	12	0.00058	0.00014	0.0015	0.26
3	April	2.0	0.048	0.066	0.0046	0.031	5.2	0.0017	0.19	0.0003	0.0061	0.000013	0.0064	0.0000077	12	0.00058	0.00014	0.0015	0.26
3	May	1.9	0.045	0.068	0.0046	0.029	4.9	0.0016	0.18	0.00029	0.0057	0.000012	0.006	0.0000073	12	0.00055	0.00013	0.0015	0.25
3	June	1.8	0.042	0.066	0.0039	0.026	4.5	0.0014	0.17	0.00025	0.0049	0.000011	0.0054	0.0000065	11	0.00051	0.00012	0.0014	0.23
3	July	1.7	0.041	0.063	0.0032	0.025	4.4	0.0012	0.17	0.00023	0.0044	0.00001	0.0052	0.0000062	11	0.00051	0.00012	0.0013	0.24
3	August	1.8	0.042	0.063	0.0029	0.025	4.5	0.0011	0.18	0.00024	0.0044	0.00001	0.0053	0.0000062	11	0.00052	0.00013	0.0014	0.25
3	September	1.9	0.045	0.064	0.0027	0.026	4.7	0.0012	0.19	0.00026	0.0047	0.000011	0.0055	0.0000066	11	0.00053	0.00014	0.0014	0.26
3	October	1.9	0.048	0.066	0.0028	0.028	4.9	0.0012	0.19	0.00027	0.0051	0.000011	0.0056	0.0000069	12	0.00053	0.00014	0.0014	0.26
3	November	1.9	0.051	0.069	0.0031	0.029	5.1	0.0013	0.2	0.00028	0.0054	0.000012	0.0057	0.0000074	12	0.00054	0.00014	0.0014	0.26
3	December	1.9	0.052	0.07	0.0035	0.031	5.2	0.0014	0.2	0.00028	0.0057	0.000012	0.0059	0.0000078	12	0.00056	0.00014	0.0014	0.27
4	January	2.0	0.052	0.07	0.0038	0.031	5.2	0.0015	0.2	0.00029	0.0058	0.000013	0.0061	0.000008	12	0.00057	0.00014	0.0015	0.27
4	February	2.0	0.051	0.068	0.0041	0.032	5.3	0.0015	0.2	0.0003	0.006	0.000013	0.0063	0.0000081	12	0.00058	0.00014	0.0015	0.27
4	March	2.0	0.051	0.068	0.0044	0.032	5.3	0.0016	0.2	0.0003	0.006	0.000013	0.0064	0.0000082	12	0.00058	0.00014	0.0015	0.26
4	April	2.0	0.049	0.068	0.0046	0.031	5.2	0.0017	0.19	0.0003	0.0061	0.000013	0.0064	0.0000081	12	0.00058	0.00014	0.0015	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	1.9	0.047	0.07	0.0046	0.029	5.0	0.0016	0.18	0.00029	0.0057	0.000012	0.006	0.0000077	12	0.00055	0.00013	0.0015	0.25
4	June	1.8	0.043	0.068	0.0039	0.026	4.5	0.0014	0.17	0.00025	0.0049	0.000011	0.0055	0.000007	11	0.00051	0.00012	0.0014	0.23
4	July	1.7	0.042	0.065	0.0032	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000067	11	0.00051	0.00012	0.0013	0.24
4	August	1.8	0.044	0.065	0.0029	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000068	11	0.00052	0.00013	0.0014	0.25
4	September	1.9	0.047	0.066	0.0028	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0056	0.0000072	11	0.00053	0.00014	0.0014	0.26
4	October	1.9	0.049	0.068	0.0029	0.028	5.0	0.0012	0.2	0.00027	0.0051	0.000011	0.0057	0.0000077	12	0.00053	0.00014	0.0014	0.26
4	November	1.9	0.052	0.071	0.0032	0.029	5.2	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000082	12	0.00054	0.00014	0.0014	0.26
4	December	2.0	0.054	0.073	0.0035	0.031	5.3	0.0014	0.2	0.00029	0.0057	0.000012	0.006	0.0000087	12	0.00056	0.00014	0.0015	0.27
5	January	2.0	0.054	0.072	0.0039	0.031	5.4	0.0015	0.2	0.0003	0.0058	0.000013	0.0062	0.0000089	12	0.00057	0.00014	0.0015	0.27
5	February	2.0	0.053	0.071	0.0042	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0063	0.000009	12	0.00058	0.00014	0.0015	0.27
5	March	2.0	0.053	0.071	0.0045	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0065	0.0000091	12	0.00058	0.00014	0.0015	0.26
5	April	2.1	0.052	0.072	0.0047	0.031	5.4	0.0017	0.19	0.00031	0.0061	0.000013	0.0065	0.000009	12	0.00058	0.00014	0.0015	0.26
5	May	2.0	0.049	0.074	0.0047	0.029	5.1	0.0016	0.18	0.00029	0.0057	0.000012	0.0061	0.0000085	12	0.00055	0.00013	0.0015	0.25
5	June	1.8	0.045	0.071	0.0040	0.026	4.6	0.0014	0.17	0.00026	0.0049	0.000011	0.0055	0.0000077	11	0.00051	0.00012	0.0014	0.23
5	July	1.7	0.044	0.067	0.0033	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000073	11	0.00051	0.00013	0.0013	0.24
5	August	1.8	0.045	0.066	0.0029	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000074	11	0.00052	0.00013	0.0014	0.25
5	September	1.9	0.047	0.068	0.0028	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0056	0.0000078	11	0.00053	0.00014	0.0014	0.26
5	October	1.9	0.05	0.07	0.0029	0.028	5.0	0.0012	0.2	0.00027	0.0051	0.000011	0.0057	0.0000083	12	0.00053	0.00014	0.0014	0.26
5	November	1.9	0.053	0.072	0.0032	0.029	5.2	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000089	12	0.00054	0.00014	0.0014	0.26
5	December	2.0	0.054	0.074	0.0036	0.031	5.3	0.0014	0.2	0.00029	0.0057	0.000012	0.006	0.0000094	12	0.00056	0.00014	0.0015	0.27
6	January	2.0	0.055	0.074	0.0039	0.031	5.4	0.0015	0.2	0.0003	0.0058	0.000013	0.0062	0.0000097	12	0.00058	0.00014	0.0015	0.27
6	February	2.0	0.055	0.073	0.0042	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0063	0.0000098	12	0.00058	0.00014	0.0015	0.27
6	March	2.0	0.054	0.073	0.0045	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0065	0.0000099	12	0.00058	0.00014	0.0015	0.26
6	April	2.1	0.053	0.075	0.0048	0.031	5.5	0.0017	0.19	0.00031	0.0061	0.000013	0.0065	0.0000098	12	0.00058	0.00014	0.0015	0.26
6	May	2.0	0.051	0.077	0.0048	0.029	5.1	0.0016	0.18	0.0003	0.0057	0.000012	0.0061	0.0000092	12	0.00055	0.00013	0.0015	0.25
6	June	1.8	0.046	0.073	0.0040	0.026	4.7	0.0014	0.17	0.00026	0.0049	0.000011	0.0055	0.0000083	11	0.00051	0.00012	0.0014	0.23
6	July	1.7	0.045	0.069	0.0033	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000077	11	0.00051	0.00013	0.0013	0.24
6	August	1.8	0.046	0.068	0.0030	0.025	4.6	0.0011	0.18	0.00025	0.0044	0.00001	0.0054	0.0000078	11	0.00052	0.00013	0.0014	0.25
6	September	1.9	0.048	0.069	0.0029	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0055	0.0000083	11	0.00053	0.00014	0.0014	0.26
6	October	1.9	0.051	0.071	0.0029	0.028	5.0	0.0012	0.2	0.00027	0.0051	0.000011	0.0057	0.0000088	12	0.00053	0.00014	0.0014	0.26
6	November	1.9	0.054	0.073	0.0032	0.029	5.1	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000094	12	0.00054	0.00014	0.0014	0.26
6	December	2.0	0.055	0.075	0.0036	0.031	5.3	0.0014	0.2	0.00029	0.0057	0.000013	0.0059	0.0000099	12	0.00056	0.00014	0.0015	0.27
7	January	2.0	0.056	0.076	0.0040	0.031	5.4	0.0015	0.2	0.0003	0.0058	0.000013	0.0061	0.00001	12	0.00058	0.00014	0.0015	0.27
7	February	2.0	0.056	0.076	0.0043	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0063	0.00001	12	0.00058	0.00014	0.0015	0.27
7	March	2.0	0.056	0.076	0.0046	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0065	0.00001	12	0.00058	0.00014	0.0015	0.26
7	April	2.1	0.055	0.078	0.0048	0.031	5.5	0.0017	0.19	0.00031	0.0061	0.000013	0.0065	0.00001	12	0.00058	0.00014	0.0015	0.26
7	May	2.0	0.053	0.08	0.0048	0.029	5.2	0.0016	0.18	0.0003	0.0057	0.000012	0.0061	0.0000098	12	0.00055	0.00013	0.0015	0.25
7	June	1.8	0.048	0.076	0.0041	0.026	4.7	0.0014	0.17	0.00026	0.0049	0.000011	0.0055	0.0000087	11	0.00051	0.00012	0.0014	0.23
7	July	1.7	0.046	0.071	0.0034	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000081	11	0.00051	0.00013	0.0013	0.24
7	August	1.8	0.047	0.069	0.0030	0.025	4.6	0.0011	0.18	0.00025	0.0044	0.00001	0.0054	0.0000082	11	0.00052	0.00013	0.0014	0.25
7	September	1.9	0.049	0.07	0.0029	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0055	0.0000087	11	0.00053	0.00014	0.0014	0.26
7	October	1.9	0.052	0.072	0.0030	0.028	5.0	0.0012	0.2	0.00028	0.0051	0.000011	0.0056	0.0000092	12	0.00053	0.00014	0.0014	0.26
7	November	1.9	0.054	0.074	0.0033	0.029	5.1	0.0013	0.2	0.00028	0.0054	0.000012	0.0057	0.0000098	12	0.00054	0.00014	0.0014	0.26
7	December	2.0	0.056	0.076	0.0036	0.031	5.3	0.0014	0.2	0.00029	0.0057	0.000013	0.0059	0.00001	12	0.00056	0.00014	0.0015	0.27
8	January	2.0	0.057	0.077	0.0040	0.031	5.4	0.0015	0.2	0.0003	0.0058	0.000013	0.0061	0.000011	12	0.00058	0.00014	0.0015	0.27
8	February	2.0	0.056	0.076	0.0043	0.032	5.4	0.0016	0.2	0.00031	0.006	0.000013	0.0063	0.000011	12	0.00058	0.00014	0.0015	0.27
8	March	2.1	0.056	0.076	0.0046	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0064	0.000011	12	0.00058	0.00014	0.0015	0.26
8	April	2.1	0.056	0.078	0.0049	0.031	5.5	0.0017	0.19	0.00031	0.0061	0.000013	0.0065	0.000011	12	0.00058	0.00014	0.0015	0.26
8	May	2.0	0.053	0.081	0.0049	0.029	5.2	0.0016	0.18	0.0003	0.0057	0.000012	0.0061	0.0000099	12	0.00055	0.00013	0.0015	0.25
8	June	1.8	0.049	0.077	0.0041	0.026	4.7	0.0014	0.17	0.00026	0.0049	0.000011	0.0055	0.0000087	11	0.00051	0.00012	0.0014	0.23
8	July	1.7	0.047	0.072	0.0034	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000079	11	0.00051	0.00013	0.0013	0.24
8	August	1.8	0.047	0.07	0.0030	0.025	4.6	0.0011	0.18	0.00025	0.0044	0.00001	0.0054	0.0000079	11	0.00052	0.00013	0.0014	0.25
8	September	1.9	0.05	0.071	0.0029	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0055	0.0000083	11	0.00053	0.00014	0.0014	0.26
8	October	1.9	0.052	0.073	0.0030	0.028	5.0	0.0012	0.2	0.00027	0.0051	0.000011	0.0057	0.0000087	12	0.00053	0.00014	0.0014	0.26
8	November	1.9	0.055	0.075	0.0033	0.029	5.2	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000092	12	0.00054	0.00014	0.0014	0.26
8	December	2.0	0.056	0.077	0.0036	0.031	5.3	0.0014	0.2	0.00029	0.0057	0.000012	0.0059	0.0000097	12	0.00056	0.00014	0.0015	0.27

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	2.0	0.057	0.077	0.0040	0.031	5.4	0.0015	0.2	0.0003	0.0058	0.000013	0.0061	0.00001	12	0.00058	0.00014	0.0015	0.27
9	February	2.0	0.056	0.076	0.0043	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0063	0.00001	12	0.00058	0.00014	0.0015	0.27
9	March	2.1	0.056	0.076	0.0046	0.032	5.5	0.0016	0.2	0.00031	0.006	0.000013	0.0065	0.00001	12	0.00058	0.00014	0.0015	0.26
9	April	2.1	0.055	0.078	0.0048	0.031	5.5	0.0017	0.19	0.00031	0.0061	0.000013	0.0065	0.0000099	12	0.00058	0.00014	0.0015	0.26
9	May	2.0	0.053	0.081	0.0049	0.029	5.2	0.0017	0.18	0.00029	0.0057	0.000012	0.0061	0.0000092	12	0.00055	0.00013	0.0015	0.25
9	June	1.8	0.049	0.077	0.0041	0.026	4.7	0.0014	0.17	0.00026	0.0049	0.000011	0.0055	0.0000079	11	0.00051	0.00012	0.0014	0.23
9	July	1.7	0.047	0.073	0.0034	0.025	4.6	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000071	11	0.00051	0.00013	0.0013	0.24
9	August	1.8	0.048	0.071	0.0031	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.000007	11	0.00052	0.00013	0.0014	0.25
9	September	1.9	0.05	0.072	0.0029	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0056	0.0000072	11	0.00053	0.00014	0.0014	0.26
9	October	1.9	0.053	0.073	0.0030	0.028	5.0	0.0012	0.19	0.00027	0.0051	0.000011	0.0057	0.0000075	12	0.00053	0.00014	0.0014	0.26
9	November	1.9	0.055	0.075	0.0033	0.029	5.2	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000079	12	0.00054	0.00014	0.0014	0.26
9	December	2.0	0.056	0.077	0.0036	0.031	5.3	0.0014	0.2	0.00028	0.0057	0.000012	0.006	0.0000083	12	0.00056	0.00014	0.0014	0.27
10	January	2.0	0.056	0.076	0.0040	0.031	5.4	0.0015	0.2	0.00029	0.0058	0.000013	0.0062	0.0000085	12	0.00058	0.00014	0.0015	0.27
10	February	2.0	0.056	0.075	0.0043	0.032	5.4	0.0016	0.2	0.00029	0.006	0.000013	0.0063	0.0000087	12	0.00058	0.00014	0.0015	0.27
10	March	2.0	0.055	0.075	0.0046	0.032	5.5	0.0016	0.2	0.0003	0.006	0.000013	0.0065	0.0000087	12	0.00058	0.00014	0.0015	0.26
10	April	2.1	0.055	0.077	0.0048	0.031	5.4	0.0017	0.19	0.0003	0.0061	0.000013	0.0065	0.0000087	12	0.00058	0.00014	0.0015	0.26
10	May	2.0	0.053	0.081	0.0049	0.029	5.2	0.0017	0.18	0.00029	0.0057	0.000012	0.0061	0.0000082	12	0.00055	0.00013	0.0015	0.25
10	June	1.8	0.049	0.077	0.0041	0.026	4.7	0.0014	0.17	0.00025	0.0049	0.000011	0.0055	0.0000071	11	0.00051	0.00012	0.0014	0.23
10	July	1.7	0.047	0.072	0.0034	0.025	4.5	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000064	11	0.00051	0.00013	0.0013	0.24
10	August	1.8	0.047	0.07	0.0031	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000063	11	0.00052	0.00013	0.0014	0.25
10	September	1.9	0.05	0.071	0.0029	0.026	4.8	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000066	11	0.00053	0.00014	0.0014	0.26
10	October	1.9	0.052	0.073	0.0030	0.028	5.0	0.0012	0.19	0.00027	0.0051	0.000011	0.0057	0.0000069	12	0.00053	0.00014	0.0014	0.26
10	November	1.9	0.055	0.075	0.0033	0.029	5.2	0.0013	0.2	0.00027	0.0054	0.000012	0.0058	0.0000073	12	0.00054	0.00014	0.0014	0.26
10	December	2.0	0.056	0.076	0.0036	0.031	5.3	0.0014	0.2	0.00028	0.0057	0.000012	0.006	0.0000077	12	0.00056	0.00014	0.0014	0.27
11	January	2.0	0.056	0.076	0.0040	0.031	5.4	0.0015	0.2	0.00029	0.0058	0.000013	0.0062	0.0000079	12	0.00057	0.00014	0.0015	0.27
11	February	2.0	0.056	0.075	0.0043	0.032	5.4	0.0016	0.2	0.00029	0.006	0.000013	0.0063	0.0000081	12	0.00058	0.00014	0.0015	0.27
11	March	2.0	0.055	0.075	0.0046	0.032	5.5	0.0016	0.2	0.0003	0.006	0.000013	0.0065	0.0000082	12	0.00058	0.00014	0.0015	0.26
11	April	2.1	0.055	0.077	0.0048	0.031	5.5	0.0017	0.19	0.0003	0.0061	0.000013	0.0065	0.0000082	12	0.00058	0.00014	0.0015	0.26
11	May	2.0	0.053	0.081	0.0049	0.029	5.2	0.0017	0.18	0.00029	0.0057	0.000012	0.0061	0.0000078	12	0.00055	0.00013	0.0015	0.25
11	June	1.8	0.049	0.077	0.0041	0.026	4.7	0.0014	0.17	0.00025	0.0049	0.000011	0.0055	0.0000069	11	0.00051	0.00012	0.0014	0.23
11	July	1.7	0.047	0.072	0.0034	0.025	4.5	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000063	11	0.00051	0.00013	0.0013	0.24
11	August	1.8	0.047	0.07	0.0031	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000062	11	0.00052	0.00013	0.0014	0.25
11	September	1.9	0.05	0.071	0.0029	0.026	4.8	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000065	11	0.00053	0.00014	0.0014	0.26
11	October	1.9	0.052	0.072	0.0030	0.028	5.0	0.0012	0.19	0.00027	0.0051	0.000011	0.0057	0.0000068	12	0.00053	0.00014	0.0014	0.26
11	November	1.9	0.055	0.075	0.0033	0.029	5.2	0.0013	0.2	0.00027	0.0054	0.000012	0.0058	0.0000072	12	0.00054	0.00014	0.0014	0.26
11	December	2.0	0.056	0.076	0.0036	0.031	5.3	0.0014	0.2	0.00028	0.0057	0.000012	0.006	0.0000076	12	0.00056	0.00014	0.0014	0.27
12	January	2.0	0.056	0.076	0.0040	0.031	5.3	0.0015	0.2	0.00029	0.0058	0.000013	0.0062	0.0000079	12	0.00057	0.00014	0.0015	0.27
12	February	2.0	0.056	0.075	0.0043	0.032	5.4	0.0016	0.2	0.00029	0.006	0.000013	0.0064	0.000008	12	0.00058	0.00014	0.0015	0.27
12	March	2.0	0.055	0.075	0.0046	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0065	0.0000081	12	0.00058	0.00014	0.0015	0.26
12	April	2.1	0.055	0.078	0.0048	0.031	5.4	0.0017	0.19	0.0003	0.0061	0.000013	0.0065	0.0000081	12	0.00058	0.00014	0.0015	0.26
12	May	2.0	0.053	0.081	0.0049	0.029	5.1	0.0017	0.18	0.00029	0.0057	0.000012	0.0062	0.0000078	12	0.00055	0.00013	0.0015	0.25
12	June	1.8	0.049	0.077	0.0041	0.026	4.7	0.0014	0.17	0.00025	0.0049	0.000011	0.0056	0.0000068	11	0.00051	0.00012	0.0014	0.23
12	July	1.7	0.047	0.072	0.0034	0.025	4.5	0.0012	0.17	0.00024	0.0044	0.00001	0.0053	0.0000063	11	0.00051	0.00013	0.0013	0.24
12	August	1.8	0.047	0.07	0.0031	0.025	4.6	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000063	11	0.00052	0.00013	0.0014	0.25
12	September	1.9	0.05	0.071	0.0029	0.026	4.8	0.0012	0.19	0.00026	0.0047	0.000011	0.0056	0.0000065	11	0.00053	0.00014	0.0014	0.26
12	October	1.9	0.052	0.073	0.0030	0.028	5.0	0.0012	0.19	0.00027	0.0051	0.000011	0.0057	0.0000068	12	0.00053	0.00014	0.0014	0.26
12	November	1.9	0.055	0.075	0.0033	0.029	5.1	0.0013	0.2	0.00028	0.0054	0.000012	0.0058	0.0000073	12	0.00054	0.00014	0.0014	0.26
12	December	2.0	0.056	0.076	0.0036	0.031	5.2	0.0014	0.2	0.00028	0.0057	0.000012	0.006	0.0000076	12	0.00056	0.00014	0.0014	0.27
13	January	2.0	0.056	0.075	0.0040	0.031	5.3	0.0015	0.2	0.00029	0.0058	0.000013	0.0062	0.0000079	12	0.00057	0.00014	0.0015	0.27
13	February	2.0	0.055	0.074	0.0043	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0064	0.000008	12	0.00058	0.00014	0.0015	0.27
13	March	2.0	0.055	0.075	0.0046	0.032	5.4	0.0016	0.2	0.0003	0.006	0.000013	0.0065	0.0000081	12	0.00058	0.00014	0.0015	0.26
13	April	2.1	0.055	0.077	0.0048	0.031	5.4	0.0017	0.19	0.0003	0.0061	0.000013	0.0065	0.0000082	12	0.00058	0.00014	0.0015	0.26
13	May	2.0	0.053	0.08	0.0049	0.029	5.1	0.0017	0.18	0.00029	0.0057	0.000012	0.0062	0.0000078	12	0.00055	0.00013	0.0015	0.25
13	June	1.8	0.049	0.077	0.0041	0.026	4.6	0.0014	0.17	0.00025	0.0049	0.000011	0.0056	0.0000069	11	0.00051	0.00012	0.0014	0.23
13	July	1.7	0.047	0.072	0.0034	0.025	4.5	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000064	11	0.00051	0.00013	0.0013	0.24
13	August	1.8	0.047	0.07	0.0031	0.025	4.5	0.0011	0.18	0.00024	0.0044	0.00001	0.0054	0.0000063	11	0.00052	0.00013	0.0014	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	1.9	0.05	0.071	0.0029	0.026	4.7	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000067	11	0.00053	0.00014	0.0014	0.26
13	October	1.9	0.052	0.073	0.0030	0.028	4.9	0.0012	0.19	0.00027	0.0051	0.000011	0.0057	0.000007	12	0.00053	0.00014	0.0014	0.26
13	November	1.9	0.055	0.075	0.0033	0.029	5.1	0.0013	0.2	0.00027	0.0054	0.000012	0.0058	0.0000074	12	0.00054	0.00014	0.0014	0.26
13	December	2.0	0.056	0.076	0.0036	0.031	5.2	0.0014	0.2	0.00028	0.0057	0.000012	0.006	0.0000078	12	0.00056	0.00014	0.0014	0.27
14	January	2.0	0.056	0.075	0.0040	0.031	5.2	0.0015	0.2	0.00029	0.0058	0.000013	0.0062	0.000008	12	0.00057	0.00014	0.0015	0.27
14	February	2.0	0.055	0.074	0.0043	0.032	5.3	0.0016	0.2	0.00029	0.006	0.000013	0.0064	0.0000082	12	0.00058	0.00014	0.0015	0.27
14	March	2.0	0.055	0.074	0.0046	0.032	5.3	0.0016	0.2	0.0003	0.006	0.000013	0.0065	0.0000083	12	0.00058	0.00014	0.0015	0.26
14	April	2.1	0.054	0.076	0.0048	0.031	5.3	0.0017	0.19	0.0003	0.0061	0.000013	0.0065	0.0000083	12	0.00058	0.00014	0.0015	0.26
14	May	2.0	0.052	0.079	0.0048	0.029	5.0	0.0017	0.18	0.00029	0.0057	0.000012	0.0062	0.0000079	12	0.00055	0.00013	0.0015	0.25
14	June	1.8	0.048	0.076	0.0041	0.026	4.5	0.0014	0.17	0.00025	0.0049	0.000011	0.0056	0.000007	11	0.00051	0.00012	0.0014	0.23
14	July	1.7	0.047	0.071	0.0034	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000065	11	0.00051	0.00013	0.0013	0.24
14	August	1.8	0.047	0.07	0.0031	0.025	4.4	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000065	11	0.00052	0.00013	0.0014	0.25
14	September	1.9	0.05	0.072	0.0029	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000068	11	0.00053	0.00014	0.0014	0.26
14	October	1.9	0.054	0.075	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000071	12	0.00053	0.00014	0.0014	0.26
14	November	1.9	0.057	0.079	0.0034	0.029	4.8	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000075	12	0.00054	0.00015	0.0014	0.26
14	December	2.0	0.058	0.08	0.0037	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000079	12	0.00056	0.00015	0.0015	0.27
15	January	2.0	0.058	0.079	0.0041	0.031	5.0	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000081	12	0.00058	0.00015	0.0015	0.27
15	February	2.0	0.058	0.078	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000082	12	0.00058	0.00015	0.0015	0.27
15	March	2.0	0.057	0.078	0.0046	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000083	12	0.00058	0.00015	0.0015	0.26
15	April	2.1	0.056	0.08	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000083	12	0.00058	0.00014	0.0015	0.26
15	May	2.0	0.054	0.082	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000079	12	0.00055	0.00013	0.0015	0.25
15	June	1.8	0.049	0.078	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0055	0.000007	11	0.00051	0.00013	0.0014	0.23
15	July	1.7	0.047	0.073	0.0034	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000065	11	0.00051	0.00013	0.0013	0.24
15	August	1.8	0.048	0.071	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000065	11	0.00052	0.00013	0.0014	0.25
15	September	1.9	0.05	0.072	0.0029	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000069	11	0.00053	0.00014	0.0014	0.26
15	October	1.9	0.054	0.075	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0057	0.0000072	12	0.00053	0.00014	0.0014	0.26
15	November	1.9	0.057	0.079	0.0034	0.029	4.8	0.0013	0.2	0.00026	0.0054	0.000012	0.0058	0.0000076	12	0.00054	0.00015	0.0014	0.26
15	December	2.0	0.058	0.08	0.0037	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.000008	12	0.00056	0.00015	0.0015	0.27
16	January	2.0	0.058	0.079	0.0041	0.031	5.0	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000082	12	0.00058	0.00015	0.0015	0.27
16	February	2.0	0.057	0.078	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000083	12	0.00058	0.00015	0.0015	0.27
16	March	2.0	0.057	0.078	0.0046	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000084	12	0.00058	0.00015	0.0015	0.26
16	April	2.1	0.056	0.079	0.0049	0.031	5.1	0.0017	0.19	0.00029	0.0061	0.000013	0.0065	0.0000084	12	0.00058	0.00014	0.0015	0.26
16	May	2.0	0.054	0.082	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0061	0.000008	12	0.00055	0.00014	0.0015	0.25
16	June	1.8	0.049	0.078	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0055	0.0000071	11	0.00051	0.00013	0.0014	0.23
16	July	1.7	0.047	0.073	0.0034	0.025	4.2	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000065	11	0.00051	0.00013	0.0013	0.24
16	August	1.8	0.048	0.071	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000065	11	0.00052	0.00013	0.0014	0.25
16	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00024	0.0047	0.000011	0.0056	0.0000068	11	0.00053	0.00014	0.0014	0.26
16	October	1.9	0.054	0.076	0.0031	0.028	4.6	0.0013	0.19	0.00026	0.0051	0.000011	0.0057	0.0000072	12	0.00053	0.00014	0.0014	0.26
16	November	1.9	0.058	0.079	0.0034	0.029	4.8	0.0013	0.2	0.00026	0.0054	0.000012	0.0058	0.0000076	12	0.00054	0.00015	0.0014	0.26
16	December	2.0	0.059	0.081	0.0037	0.031	4.8	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000079	12	0.00056	0.00015	0.0015	0.27
17	January	2.0	0.059	0.08	0.0041	0.031	4.9	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000081	12	0.00057	0.00015	0.0015	0.27
17	February	2.0	0.058	0.079	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000083	12	0.00058	0.00015	0.0015	0.27
17	March	2.0	0.058	0.079	0.0047	0.032	5.0	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000084	12	0.00058	0.00015	0.0015	0.26
17	April	2.1	0.057	0.081	0.0049	0.031	5.0	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000084	12	0.00058	0.00015	0.0015	0.26
17	May	2.0	0.055	0.084	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.000008	12	0.00055	0.00014	0.0015	0.25
17	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000071	11	0.00051	0.00013	0.0014	0.23
17	July	1.7	0.048	0.073	0.0035	0.025	4.2	0.0012	0.17	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00051	0.00013	0.0013	0.24
17	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00052	0.00013	0.0014	0.25
17	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000069	11	0.00053	0.00014	0.0014	0.26
17	October	1.9	0.054	0.076	0.0031	0.028	4.6	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000073	12	0.00053	0.00014	0.0014	0.26
17	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0013	0.2	0.00026	0.0054	0.000012	0.0059	0.0000077	12	0.00054	0.00015	0.0014	0.26
17	December	2.0	0.059	0.081	0.0037	0.031	4.8	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.000008	12	0.00056	0.00015	0.0015	0.27
18	January	2.0	0.059	0.081	0.0041	0.031	4.9	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000082	12	0.00058	0.00015	0.0015	0.27
18	February	2.0	0.059	0.08	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000084	12	0.00058	0.00015	0.0015	0.27
18	March	2.0	0.058	0.08	0.0047	0.032	5.0	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000084	12	0.00058	0.00015	0.0015	0.26
18	April	2.1	0.057	0.081	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000084	12	0.00058	0.00015	0.0015	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	2.0	0.055	0.084	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.000008	12	0.00055	0.00014	0.0015	0.25
18	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000071	11	0.00051	0.00013	0.0014	0.23
18	July	1.7	0.048	0.073	0.0035	0.025	4.2	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000066	11	0.00051	0.00013	0.0013	0.24
18	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00052	0.00013	0.0014	0.25
18	September	1.9	0.051	0.074	0.0030	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.000007	11	0.00053	0.00014	0.0014	0.26
18	October	1.9	0.055	0.076	0.0031	0.028	4.6	0.0013	0.19	0.00026	0.0051	0.000011	0.0057	0.0000073	12	0.00053	0.00014	0.0014	0.26
18	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000077	12	0.00055	0.00015	0.0014	0.26
18	December	2.0	0.059	0.081	0.0037	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000081	12	0.00057	0.00015	0.0015	0.27
19	January	2.0	0.059	0.081	0.0041	0.031	4.9	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000083	12	0.00058	0.00015	0.0015	0.27
19	February	2.0	0.059	0.08	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000084	12	0.00058	0.00015	0.0015	0.27
19	March	2.0	0.058	0.08	0.0047	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000085	12	0.00058	0.00015	0.0015	0.26
19	April	2.1	0.058	0.082	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000085	12	0.00058	0.00015	0.0015	0.26
19	May	2.0	0.055	0.084	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000081	12	0.00055	0.00014	0.0015	0.25
19	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000072	11	0.00051	0.00013	0.0014	0.23
19	July	1.7	0.048	0.074	0.0035	0.025	4.2	0.0012	0.17	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00051	0.00013	0.0013	0.24
19	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00052	0.00013	0.0014	0.25
19	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00024	0.0047	0.000011	0.0056	0.000007	11	0.00053	0.00014	0.0014	0.26
19	October	1.9	0.054	0.076	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000073	12	0.00053	0.00014	0.0014	0.26
19	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000078	12	0.00055	0.00015	0.0014	0.26
19	December	2.0	0.059	0.081	0.0037	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000081	12	0.00057	0.00015	0.0015	0.27
20	January	2.0	0.059	0.081	0.0041	0.031	4.9	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000083	12	0.00058	0.00015	0.0015	0.27
20	February	2.0	0.059	0.08	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000085	12	0.00058	0.00015	0.0015	0.27
20	March	2.0	0.058	0.08	0.0047	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000085	12	0.00058	0.00015	0.0015	0.26
20	April	2.1	0.058	0.082	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000085	12	0.00058	0.00015	0.0015	0.26
20	May	2.0	0.055	0.084	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000081	12	0.00055	0.00014	0.0015	0.25
20	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000072	11	0.00051	0.00013	0.0014	0.23
20	July	1.7	0.048	0.073	0.0035	0.025	4.2	0.0012	0.17	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00051	0.00013	0.0013	0.24
20	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000066	11	0.00052	0.00013	0.0014	0.25
20	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00024	0.0047	0.000011	0.0056	0.000007	11	0.00053	0.00014	0.0014	0.26
20	October	1.9	0.054	0.076	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000073	12	0.00053	0.00014	0.0014	0.26
20	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000078	12	0.00055	0.00015	0.0014	0.26
20	December	2.0	0.059	0.082	0.0038	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000081	12	0.00057	0.00015	0.0015	0.27
21	January	2.0	0.059	0.081	0.0041	0.031	4.9	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000083	12	0.00058	0.00015	0.0015	0.27
21	February	2.0	0.059	0.08	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000085	12	0.00058	0.00015	0.0015	0.27
21	March	2.0	0.058	0.08	0.0047	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000085	12	0.00058	0.00015	0.0015	0.26
21	April	2.1	0.058	0.082	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0066	0.0000086	12	0.00058	0.00015	0.0015	0.26
21	May	2.0	0.055	0.084	0.0049	0.029	4.8	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000082	12	0.00055	0.00014	0.0015	0.25
21	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000073	11	0.00051	0.00013	0.0014	0.23
21	July	1.7	0.048	0.073	0.0035	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0054	0.0000068	11	0.00051	0.00013	0.0013	0.24
21	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000068	11	0.00052	0.00013	0.0014	0.25
21	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000072	11	0.00053	0.00014	0.0014	0.26
21	October	1.9	0.054	0.076	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000076	12	0.00053	0.00014	0.0014	0.26
21	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0014	0.2	0.00027	0.0054	0.000012	0.0059	0.0000081	12	0.00055	0.00015	0.0014	0.26
21	December	2.0	0.059	0.082	0.0038	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000012	0.006	0.0000085	12	0.00057	0.00015	0.0015	0.27
22	January	2.0	0.059	0.081	0.0041	0.031	5.0	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000087	12	0.00058	0.00015	0.0015	0.27
22	February	2.0	0.059	0.081	0.0044	0.032	5.1	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000088	12	0.00058	0.00015	0.0015	0.27
22	March	2.0	0.059	0.081	0.0047	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.26
22	April	2.1	0.058	0.082	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.26
22	May	2.0	0.055	0.084	0.0049	0.029	4.9	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000083	12	0.00055	0.00014	0.0015	0.25
22	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000074	11	0.00051	0.00013	0.0014	0.23
22	July	1.7	0.048	0.074	0.0035	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0054	0.0000068	11	0.00051	0.00013	0.0013	0.24
22	August	1.8	0.048	0.072	0.0031	0.025	4.3	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000069	11	0.00052	0.00013	0.0014	0.25
22	September	1.9	0.051	0.073	0.0030	0.026	4.5	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000073	11	0.00053	0.00014	0.0014	0.26
22	October	1.9	0.055	0.076	0.0031	0.028	4.7	0.0013	0.19	0.00026	0.0051	0.000011	0.0058	0.0000076	12	0.00053	0.00014	0.0014	0.26
22	November	1.9	0.058	0.08	0.0034	0.029	4.8	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000081	12	0.00055	0.00015	0.0014	0.27
22	December	2.0	0.059	0.082	0.0038	0.031	4.9	0.0014	0.2	0.00027	0.0057	0.000013	0.006	0.0000085	12	0.00057	0.00015	0.0015	0.27

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	2.0	0.059	0.081	0.0041	0.031	5.0	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000087	12	0.00058	0.00015	0.0015	0.27
23	February	2.0	0.059	0.08	0.0044	0.032	5.0	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000088	12	0.00058	0.00015	0.0015	0.27
23	March	2.0	0.058	0.08	0.0047	0.032	5.1	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.27
23	April	2.1	0.057	0.082	0.0049	0.031	5.1	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.26
23	May	2.0	0.055	0.084	0.0049	0.029	4.9	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000084	12	0.00055	0.00014	0.0015	0.25
23	June	1.8	0.05	0.079	0.0042	0.026	4.4	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000074	11	0.00051	0.00013	0.0014	0.23
23	July	1.7	0.047	0.073	0.0034	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000069	11	0.00051	0.00013	0.0013	0.24
23	August	1.8	0.048	0.072	0.0031	0.025	4.4	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000069	11	0.00052	0.00013	0.0014	0.25
23	September	1.9	0.051	0.074	0.0030	0.026	4.6	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000072	11	0.00053	0.00014	0.0014	0.26
23	October	1.9	0.055	0.076	0.0031	0.028	4.8	0.0013	0.19	0.00026	0.0051	0.000011	0.0057	0.0000076	12	0.00053	0.00014	0.0014	0.26
23	November	1.9	0.058	0.08	0.0034	0.029	4.9	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000081	12	0.00055	0.00015	0.0014	0.27
23	December	2.0	0.06	0.082	0.0038	0.031	5.0	0.0015	0.2	0.00027	0.0057	0.000013	0.006	0.0000085	12	0.00057	0.00015	0.0015	0.27
24	January	2.0	0.059	0.081	0.0041	0.031	5.1	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000087	12	0.00058	0.00015	0.0015	0.27
24	February	2.0	0.059	0.08	0.0044	0.032	5.1	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000088	12	0.00058	0.00015	0.0015	0.27
24	March	2.0	0.058	0.08	0.0047	0.032	5.2	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.27
24	April	2.1	0.057	0.082	0.0049	0.031	5.2	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000088	12	0.00058	0.00015	0.0015	0.26
24	May	2.0	0.055	0.084	0.0049	0.029	4.9	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000084	12	0.00055	0.00014	0.0015	0.25
24	June	1.8	0.05	0.079	0.0042	0.026	4.5	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.0000074	11	0.00052	0.00013	0.0014	0.24
24	July	1.7	0.048	0.073	0.0034	0.025	4.3	0.0012	0.17	0.00023	0.0044	0.00001	0.0053	0.0000069	11	0.00051	0.00013	0.0013	0.24
24	August	1.8	0.048	0.072	0.0031	0.025	4.4	0.0011	0.18	0.00023	0.0044	0.00001	0.0054	0.0000069	11	0.00052	0.00013	0.0014	0.25
24	September	1.9	0.051	0.073	0.0030	0.026	4.6	0.0012	0.19	0.00025	0.0047	0.000011	0.0056	0.0000072	11	0.00053	0.00014	0.0014	0.26
24	October	1.9	0.054	0.076	0.0031	0.028	4.8	0.0013	0.2	0.00026	0.0051	0.000011	0.0058	0.0000076	12	0.00053	0.00014	0.0014	0.27
24	November	1.9	0.058	0.08	0.0034	0.029	4.9	0.0014	0.2	0.00026	0.0054	0.000012	0.0059	0.0000081	12	0.00055	0.00015	0.0014	0.27
24	December	2.0	0.06	0.082	0.0038	0.031	5.0	0.0015	0.2	0.00027	0.0057	0.000013	0.006	0.0000085	12	0.00057	0.00015	0.0015	0.27
25	January	2.0	0.059	0.081	0.0041	0.031	5.1	0.0015	0.2	0.00028	0.0058	0.000013	0.0062	0.0000087	12	0.00058	0.00015	0.0015	0.27
25	February	2.0	0.059	0.08	0.0044	0.032	5.2	0.0016	0.2	0.00028	0.006	0.000013	0.0064	0.0000088	12	0.00059	0.00015	0.0015	0.27
25	March	2.0	0.058	0.08	0.0047	0.032	5.2	0.0017	0.2	0.00029	0.006	0.000013	0.0065	0.0000089	12	0.00059	0.00015	0.0015	0.27
25	April	2.1	0.058	0.082	0.0049	0.031	5.2	0.0018	0.19	0.00029	0.0061	0.000013	0.0065	0.0000089	12	0.00058	0.00015	0.0015	0.27
25	May	2.0	0.055	0.084	0.0049	0.029	4.9	0.0017	0.18	0.00028	0.0057	0.000012	0.0062	0.0000086	12	0.00056	0.00014	0.0015	0.25
25	June	1.8	0.05	0.079	0.0042	0.026	4.5	0.0014	0.17	0.00024	0.0049	0.000011	0.0056	0.000008	11	0.00052	0.00013	0.0014	0.24
25	July	1.7	0.048	0.074	0.0035	0.025	4.4	0.0012	0.17	0.00022	0.0044	0.00001	0.0054	0.0000077	11	0.00051	0.00013	0.0013	0.24
25	August	1.8	0.049	0.074	0.0031	0.025	4.5	0.0011	0.18	0.00022	0.0044	0.000011	0.0055	0.0000079	11	0.00053	0.00014	0.0014	0.25
25	September	1.9	0.053	0.078	0.0031	0.026	4.7	0.0012	0.19	0.00024	0.0047	0.000011	0.0057	0.0000085	11	0.00054	0.00014	0.0014	0.27
25	October	1.9	0.058	0.082	0.0032	0.028	4.9	0.0013	0.2	0.00025	0.0051	0.000011	0.0058	0.0000091	12	0.00054	0.00015	0.0014	0.27
25	November	1.9	0.062	0.087	0.0035	0.029	5.0	0.0014	0.2	0.00025	0.0054	0.000012	0.0059	0.0000097	12	0.00055	0.00015	0.0014	0.27
25	December	1.9	0.063	0.088	0.0039	0.031	5.1	0.0015	0.2	0.00026	0.0057	0.000013	0.0061	0.00001	12	0.00057	0.00015	0.0015	0.28
26	January	2.0	0.063	0.088	0.0043	0.031	5.2	0.0016	0.2	0.00027	0.0058	0.000013	0.0063	0.00001	12	0.00058	0.00015	0.0015	0.28
26	February	2.0	0.062	0.087	0.0046	0.032	5.2	0.0016	0.2	0.00027	0.006	0.000014	0.0064	0.00001	12	0.00059	0.00015	0.0015	0.28
26	March	2.0	0.062	0.086	0.0048	0.032	5.3	0.0017	0.2	0.00028	0.006	0.000014	0.0066	0.00001	12	0.00059	0.00015	0.0015	0.27
26	April	2.0	0.06	0.087	0.0051	0.031	5.2	0.0018	0.2	0.00028	0.0061	0.000013	0.0066	0.00001	12	0.00059	0.00015	0.0015	0.27
26	May	2.0	0.057	0.088	0.0050	0.029	5.0	0.0017	0.18	0.00027	0.0057	0.000013	0.0062	0.0000096	12	0.00056	0.00014	0.0015	0.25
26	June	1.8	0.051	0.082	0.0043	0.026	4.5	0.0014	0.17	0.00023	0.0049	0.000011	0.0056	0.0000088	11	0.00052	0.00013	0.0014	0.24
26	July	1.7	0.049	0.076	0.0035	0.025	4.4	0.0012	0.17	0.00021	0.0044	0.000011	0.0054	0.0000085	11	0.00051	0.00013	0.0013	0.24
26	August	1.8	0.05	0.075	0.0032	0.025	4.5	0.0011	0.18	0.00022	0.0044	0.000011	0.0055	0.0000088	11	0.00053	0.00014	0.0014	0.26
26	September	1.9	0.054	0.079	0.0031	0.026	4.7	0.0012	0.19	0.00023	0.0047	0.000011	0.0057	0.0000095	11	0.00054	0.00014	0.0014	0.27
26	October	1.9	0.059	0.083	0.0032	0.028	4.9	0.0013	0.2	0.00024	0.0051	0.000012	0.0059	0.00001	11	0.00054	0.00015	0.0014	0.27
26	November	1.9	0.062	0.087	0.0035	0.029	5.0	0.0014	0.2	0.00024	0.0054	0.000013	0.006	0.000011	12	0.00055	0.00015	0.0015	0.27
26	December	1.9	0.063	0.089	0.0039	0.031	5.1	0.0015	0.21	0.00025	0.0057	0.000013	0.0061	0.000011	12	0.00057	0.00015	0.0015	0.28
27	January	2.0	0.063	0.088	0.0043	0.031	5.2	0.0016	0.21	0.00026	0.0058	0.000014	0.0063	0.000011	12	0.00059	0.00015	0.0015	0.28
27	February	2.0	0.062	0.087	0.0046	0.032	5.2	0.0017	0.2	0.00026	0.006	0.000014	0.0065	0.000011	12	0.00059	0.00015	0.0015	0.28
27	March	2.0	0.06	0.085	0.0048	0.032	5.2	0.0017	0.2	0.00027	0.006	0.000014	0.0066	0.000011	12	0.00059	0.00015	0.0015	0.27
27	April	2.0	0.058	0.083	0.0050	0.031	5.1	0.0018	0.2	0.00027	0.0061	0.000014	0.0066	0.00001	12	0.00059	0.00015	0.0016	0.27
27	May	1.9	0.05	0.076	0.0048	0.029	4.7	0.0017	0.18	0.00026	0.0057	0.000013	0.0061	0.0000089	12	0.00056	0.00014	0.0015	0.25
27	June	1.7	0.038	0.059	0.0038	0.026	4.1	0.0014	0.17	0.00023	0.0049	0.000011	0.0054	0.0000069	11	0.00052	0.00012	0.0014	0.24
27	July	1.7	0.029	0.043	0.0028	0.025	3.8	0.0011	0.17	0.00021	0.0044	0.00001	0.0051	0.0000055	11	0.00051	0.00012	0.0013	0.24
27	August	1.7	0.026	0.035	0.0023	0.025	3.8	0.0011	0.18	0.00021	0.0044	0.00001	0.0051	0.000005	11	0.00052	0.00013	0.0014	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	1.8	0.025	0.03	0.0020	0.026	3.8	0.0011	0.19	0.00022	0.0047	0.000011	0.0052	0.0000048	11	0.00053	0.00013	0.0014	0.26
27	October	1.8	0.024	0.026	0.0020	0.028	3.9	0.0012	0.2	0.00023	0.0051	0.000011	0.0053	0.0000047	11	0.00053	0.00013	0.0014	0.26
27	November	1.8	0.025	0.025	0.0022	0.030	3.9	0.0012	0.2	0.00023	0.0054	0.000012	0.0054	0.0000048	11	0.00054	0.00013	0.0014	0.26
27	December	1.8	0.025	0.025	0.0025	0.031	4.0	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.000005	12	0.00056	0.00014	0.0014	0.27
28	January	1.9	0.026	0.026	0.0029	0.031	4.1	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000053	12	0.00057	0.00014	0.0015	0.27
28	February	1.9	0.027	0.026	0.0032	0.032	4.2	0.0015	0.2	0.00025	0.0059	0.000013	0.0059	0.0000055	12	0.00058	0.00014	0.0015	0.27
28	March	1.9	0.027	0.028	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000057	12	0.00058	0.00014	0.0015	0.26
28	April	2.0	0.028	0.032	0.0039	0.031	4.3	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00013	0.0015	0.26
28	May	1.9	0.028	0.038	0.0039	0.029	4.1	0.0016	0.18	0.00025	0.0056	0.000012	0.0058	0.0000056	12	0.00055	0.00012	0.0015	0.25
28	June	1.7	0.024	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0048	0.000011	0.0052	0.0000048	11	0.00051	0.00012	0.0013	0.23
28	July	1.6	0.021	0.029	0.0025	0.025	3.6	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.24
28	August	1.7	0.02	0.025	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
28	September	1.8	0.02	0.022	0.0019	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
28	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.005	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
28	November	1.8	0.022	0.021	0.0021	0.030	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
28	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00013	0.0014	0.27
29	January	1.9	0.024	0.023	0.0029	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
29	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00025	0.0059	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.27
29	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00014	0.0015	0.26
29	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00058	0.00013	0.0015	0.26
29	May	1.9	0.027	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00025	0.0056	0.000012	0.0057	0.0000055	12	0.00055	0.00012	0.0015	0.25
29	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0048	0.000011	0.0052	0.0000048	11	0.00051	0.00012	0.0013	0.23
29	July	1.6	0.021	0.028	0.0025	0.025	3.6	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000042	11	0.00051	0.00012	0.0013	0.24
29	August	1.7	0.02	0.024	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
29	September	1.8	0.02	0.022	0.0019	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
29	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.005	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
29	November	1.8	0.022	0.021	0.0021	0.030	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
29	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00013	0.0014	0.27
30	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
30	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00025	0.0059	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.27
30	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00014	0.0015	0.26
30	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00058	0.00013	0.0015	0.26
30	May	1.9	0.027	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00025	0.0056	0.000012	0.0057	0.0000055	12	0.00055	0.00012	0.0015	0.25
30	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0048	0.000011	0.0052	0.0000048	11	0.00051	0.00012	0.0013	0.23
30	July	1.6	0.021	0.028	0.0025	0.025	3.6	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000042	11	0.00051	0.00012	0.0013	0.24
30	August	1.7	0.02	0.024	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
30	September	1.8	0.02	0.022	0.0019	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
30	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.005	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
30	November	1.8	0.022	0.021	0.0021	0.029	4.0	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
30	December	1.8	0.023	0.022	0.0025	0.031	4.1	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00014	0.0014	0.26
31	January	1.9	0.024	0.023	0.0029	0.031	4.2	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
31	February	1.9	0.025	0.024	0.0032	0.032	4.3	0.0015	0.2	0.00026	0.0059	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.26
31	March	1.9	0.026	0.026	0.0035	0.032	4.4	0.0016	0.2	0.00027	0.006	0.000013	0.0061	0.0000055	12	0.00058	0.00014	0.0015	0.26
31	April	2.0	0.027	0.031	0.0039	0.031	4.5	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000057	12	0.00058	0.00013	0.0015	0.26
31	May	1.9	0.027	0.037	0.0039	0.029	4.3	0.0016	0.18	0.00026	0.0056	0.000012	0.0058	0.0000055	12	0.00055	0.00012	0.0015	0.24
31	June	1.7	0.024	0.035	0.0032	0.026	3.9	0.0013	0.17	0.00023	0.0048	0.000011	0.0052	0.0000048	11	0.00051	0.00012	0.0013	0.23
31	July	1.6	0.021	0.029	0.0025	0.025	3.8	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.23
31	August	1.7	0.02	0.025	0.0021	0.025	3.8	0.001	0.18	0.00022	0.0044	0.00001	0.005	0.0000042	11	0.00052	0.00012	0.0013	0.25
31	September	1.8	0.02	0.022	0.0019	0.026	4.0	0.0011	0.19	0.00023	0.0047	0.00001	0.0052	0.0000042	11	0.00053	0.00013	0.0014	0.26
31	October	1.8	0.021	0.021	0.0019	0.028	4.1	0.0012	0.19	0.00024	0.0051	0.000011	0.0053	0.0000043	11	0.00053	0.00013	0.0014	0.26
31	November	1.8	0.022	0.021	0.0021	0.029	4.1	0.0012	0.2	0.00024	0.0054	0.000011	0.0054	0.0000045	11	0.00055	0.00013	0.0014	0.26
31	December	1.9	0.023	0.022	0.0025	0.031	4.2	0.0013	0.2	0.00025	0.0057	0.000012	0.0055	0.0000049	12	0.00057	0.00014	0.0014	0.26
32	January	1.9	0.024	0.023	0.0029	0.031	4.3	0.0014	0.2	0.00026	0.0058	0.000013	0.0057	0.0000052	12	0.00058	0.00014	0.0015	0.27
32	February	1.9	0.025	0.024	0.0032	0.032	4.4	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000054	12	0.00058	0.00014	0.0015	0.26
32	March	1.9	0.026	0.026	0.0035	0.032	4.5	0.0016	0.2	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00058	0.00014	0.0015	0.26
32	April	2.0	0.027	0.031	0.0039	0.031	4.5	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00013	0.0015	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	1.9	0.027	0.037	0.0039	0.029	4.3	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000056	12	0.00055	0.00012	0.0015	0.24
32	June	1.7	0.023	0.035	0.0032	0.026	3.9	0.0013	0.17	0.00023	0.0048	0.000011	0.0052	0.0000049	11	0.00051	0.00012	0.0013	0.23
32	July	1.7	0.021	0.029	0.0025	0.025	3.8	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.23
32	August	1.7	0.02	0.025	0.0021	0.025	3.8	0.001	0.18	0.00022	0.0044	0.00001	0.0051	0.0000042	11	0.00052	0.00012	0.0013	0.25
32	September	1.8	0.02	0.022	0.0019	0.026	4.0	0.0011	0.19	0.00023	0.0047	0.00001	0.0052	0.0000043	11	0.00053	0.00013	0.0014	0.26
32	October	1.8	0.021	0.021	0.0019	0.028	4.1	0.0012	0.19	0.00024	0.0051	0.000011	0.0053	0.0000043	11	0.00053	0.00013	0.0014	0.26
32	November	1.8	0.022	0.021	0.0021	0.029	4.1	0.0012	0.2	0.00024	0.0054	0.000011	0.0054	0.0000046	11	0.00055	0.00013	0.0014	0.26
32	December	1.9	0.023	0.022	0.0025	0.031	4.2	0.0013	0.2	0.00025	0.0057	0.000012	0.0055	0.0000049	12	0.00057	0.00014	0.0014	0.26
33	January	1.9	0.024	0.023	0.0029	0.031	4.3	0.0014	0.2	0.00026	0.0058	0.000013	0.0057	0.0000052	12	0.00058	0.00014	0.0015	0.27
33	February	1.9	0.025	0.024	0.0032	0.032	4.4	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000054	12	0.00058	0.00014	0.0015	0.26
33	March	1.9	0.026	0.026	0.0035	0.032	4.5	0.0016	0.2	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00058	0.00014	0.0015	0.26
33	April	2.0	0.027	0.031	0.0039	0.031	4.5	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00013	0.0015	0.26
33	May	1.9	0.027	0.037	0.0039	0.029	4.3	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000056	12	0.00055	0.00012	0.0015	0.24
33	June	1.7	0.023	0.035	0.0032	0.026	3.9	0.0013	0.17	0.00023	0.0048	0.000011	0.0052	0.0000049	11	0.00051	0.00012	0.0013	0.23
33	July	1.7	0.021	0.029	0.0025	0.025	3.8	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.23
33	August	1.7	0.02	0.025	0.0021	0.025	3.8	0.001	0.18	0.00022	0.0044	0.00001	0.0051	0.0000042	11	0.00052	0.00012	0.0013	0.25
33	September	1.8	0.02	0.022	0.0019	0.026	4.0	0.0011	0.19	0.00023	0.0047	0.00001	0.0052	0.0000043	11	0.00053	0.00013	0.0014	0.26
33	October	1.8	0.021	0.021	0.0019	0.028	4.1	0.0012	0.19	0.00024	0.0051	0.000011	0.0053	0.0000043	11	0.00053	0.00013	0.0014	0.26
33	November	1.8	0.022	0.021	0.0021	0.029	4.1	0.0012	0.2	0.00024	0.0054	0.000011	0.0054	0.0000046	11	0.00055	0.00013	0.0014	0.26
33	December	1.9	0.023	0.022	0.0025	0.031	4.2	0.0013	0.2	0.00025	0.0057	0.000012	0.0055	0.0000049	12	0.00057	0.00014	0.0014	0.26
34	January	1.9	0.024	0.023	0.0029	0.031	4.3	0.0014	0.2	0.00026	0.0058	0.000013	0.0057	0.0000052	12	0.00058	0.00014	0.0015	0.26
34	February	1.9	0.025	0.024	0.0032	0.032	4.4	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000054	12	0.00058	0.00014	0.0015	0.26
34	March	1.9	0.026	0.026	0.0035	0.032	4.5	0.0016	0.2	0.00027	0.006	0.000013	0.0061	0.0000056	12	0.00058	0.00014	0.0015	0.26
34	April	2.0	0.027	0.031	0.0039	0.031	4.5	0.0017	0.19	0.00027	0.006	0.000013	0.0061	0.0000057	12	0.00058	0.00013	0.0015	0.26
34	May	1.9	0.027	0.037	0.0039	0.029	4.2	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000055	12	0.00055	0.00012	0.0015	0.24
34	June	1.7	0.023	0.035	0.0032	0.026	3.8	0.0013	0.17	0.00023	0.0049	0.000011	0.0052	0.0000048	11	0.00051	0.00012	0.0013	0.23
34	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.23
34	August	1.7	0.02	0.024	0.0021	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
34	September	1.8	0.02	0.022	0.0019	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000041	11	0.00053	0.00013	0.0014	0.26
34	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000042	11	0.00053	0.00013	0.0014	0.26
34	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000044	11	0.00054	0.00013	0.0014	0.26
34	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000047	12	0.00056	0.00013	0.0014	0.27
35	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.000005	12	0.00057	0.00014	0.0015	0.27
35	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000053	12	0.00058	0.00014	0.0015	0.26
35	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000055	12	0.00058	0.00014	0.0015	0.26
35	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000056	12	0.00058	0.00013	0.0015	0.26
35	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000055	12	0.00055	0.00012	0.0015	0.24
35	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000048	11	0.00051	0.00011	0.0013	0.23
35	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.0002	0.0044	0.00001	0.005	0.0000043	11	0.00051	0.00012	0.0013	0.23
35	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000041	11	0.00052	0.00012	0.0013	0.25
35	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000043	11	0.00053	0.00013	0.0014	0.26
35	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000044	11	0.00053	0.00013	0.0014	0.26
35	November	1.8	0.022	0.021	0.0021	0.030	3.8	0.0012	0.2	0.00023	0.0054	0.000011	0.0053	0.0000046	11	0.00054	0.00013	0.0014	0.26
35	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.000005	12	0.00056	0.00014	0.0014	0.27
36	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000053	12	0.00057	0.00014	0.0015	0.27
36	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000055	12	0.00058	0.00014	0.0015	0.26
36	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000057	12	0.00058	0.00014	0.0015	0.26
36	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
36	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000057	12	0.00055	0.00012	0.0015	0.24
36	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.000005	11	0.00051	0.00012	0.0013	0.23
36	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000045	11	0.00051	0.00012	0.0013	0.23
36	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
36	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
36	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000045	11	0.00053	0.00013	0.0014	0.26
36	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
36	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
37	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
37	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
37	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
37	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
37	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
37	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
37	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
37	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
37	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
37	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
37	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
38	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
38	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
38	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
38	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
38	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
38	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
38	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
38	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
38	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
38	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
38	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
38	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
39	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
39	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
39	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
39	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
39	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
39	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
39	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
39	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
39	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
39	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
39	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
39	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
40	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
40	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
40	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
40	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
40	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
40	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
40	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
40	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
40	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
40	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
40	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
40	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
41	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
41	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
41	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
41	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
41	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
41	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
41	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
41	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
41	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
41	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
41	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
42	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
42	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
42	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
42	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
42	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
42	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
42	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
42	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
42	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
42	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
42	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
42	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
43	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
43	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
43	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
43	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
43	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
43	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
43	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
43	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
43	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
43	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
43	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
43	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
44	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
44	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
44	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
44	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
44	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
44	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
44	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
44	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
44	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
44	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
44	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
44	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
45	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
45	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
45	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
45	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
45	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
45	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
45	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
45	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
45	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
45	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
45	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
45	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
46	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
46	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
46	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
46	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
46	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
46	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
46	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
46	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
46	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
46	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
46	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
47	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
47	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
47	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
47	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
47	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
47	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
47	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
47	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
47	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
47	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
47	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
47	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
48	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
48	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
48	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
48	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
48	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
48	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
48	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
48	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
48	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
48	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
48	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
48	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
49	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
49	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
49	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
49	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
49	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
49	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
49	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
49	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
49	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
49	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
49	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
49	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
50	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
50	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
50	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
50	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
50	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
50	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
50	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
50	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
50	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
50	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
50	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
50	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
51	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
51	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
51	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
51	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
51	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
51	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
51	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
51	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
51	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
51	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
51	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26
52	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
52	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
52	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
52	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
52	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
52	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
52	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
52	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
52	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
52	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
52	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
52	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
53	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
53	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
53	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
53	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
53	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
53	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
53	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
53	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
53	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
53	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
53	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
53	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
54	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
54	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
54	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
54	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
54	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
54	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
54	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
54	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
54	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
54	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
54	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
54	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
55	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
55	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
55	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
55	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
55	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
55	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
55	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
55	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
55	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
55	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
55	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26
56	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
56	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
56	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
56	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
56	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
56	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
56	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
56	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
56	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
56	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
56	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
56	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
57	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
57	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
57	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
57	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
57	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
57	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
57	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
57	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
57	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
57	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
57	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
57	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
58	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
58	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
58	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
58	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
58	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
58	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
58	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
58	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
58	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
58	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
58	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
58	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
59	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
59	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
59	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
59	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
59	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
59	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
59	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
59	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
59	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
59	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
59	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
59	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26
60	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
60	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
60	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
60	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
60	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
60	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
60	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
60	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
60	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
60	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
60	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
61	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
61	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
61	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
61	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
61	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
61	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
61	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
61	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
61	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
61	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
61	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
61	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
62	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
62	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
62	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
62	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
62	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
62	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
62	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
62	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
62	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
62	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
62	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
62	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
63	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
63	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
63	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
63	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
63	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
63	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
63	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
63	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
63	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
63	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
63	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
63	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26
64	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
64	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
64	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
64	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
64	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
64	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
64	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
64	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
64	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
64	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
64	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
64	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
65	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
65	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
65	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
65	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
65	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
65	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
65	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
65	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
65	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
65	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
65	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
66	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
66	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
66	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
66	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
66	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
66	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
66	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
66	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
66	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
66	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
66	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
66	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
67	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
67	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
67	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.0061	0.0000058	12	0.00058	0.00014	0.0015	0.26
67	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.000006	12	0.00058	0.00013	0.0015	0.26
67	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00012	0.0015	0.24
67	June	1.7	0.023	0.035	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
67	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
67	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
67	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
67	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
67	November	1.8	0.022	0.021	0.0021	0.029	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
67	December	1.8	0.023	0.022	0.0025	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26
68	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
68	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
68	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
68	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
68	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
68	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
68	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
68	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
68	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
68	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
68	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
68	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
69	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
69	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
69	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
69	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
69	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
69	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
69	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
69	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
69	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
69	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
69	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.27
70	January	1.9	0.024	0.023	0.0028	0.031	4.0	0.0014	0.2	0.00025	0.0058	0.000013	0.0057	0.0000054	12	0.00057	0.00014	0.0015	0.27
70	February	1.9	0.025	0.024	0.0032	0.032	4.1	0.0015	0.2	0.00026	0.006	0.000013	0.0059	0.0000056	12	0.00058	0.00014	0.0015	0.26
70	March	1.9	0.026	0.026	0.0035	0.032	4.2	0.0016	0.2	0.00026	0.006	0.000013	0.006	0.0000058	12	0.00058	0.00014	0.0015	0.26
70	April	2.0	0.027	0.031	0.0038	0.031	4.3	0.0017	0.19	0.00027	0.0061	0.000013	0.0061	0.0000059	12	0.00058	0.00013	0.0015	0.26
70	May	1.9	0.026	0.037	0.0039	0.029	4.1	0.0016	0.18	0.00026	0.0057	0.000012	0.0058	0.0000058	12	0.00055	0.00013	0.0015	0.24
70	June	1.7	0.023	0.034	0.0032	0.026	3.7	0.0013	0.17	0.00022	0.0049	0.000011	0.0052	0.0000051	11	0.00051	0.00012	0.0013	0.23
70	July	1.6	0.02	0.028	0.0025	0.025	3.6	0.0011	0.17	0.00021	0.0044	0.00001	0.005	0.0000046	11	0.00051	0.00012	0.0013	0.23
70	August	1.7	0.019	0.024	0.0020	0.025	3.6	0.001	0.18	0.00021	0.0044	0.00001	0.005	0.0000044	11	0.00052	0.00012	0.0013	0.25
70	September	1.8	0.02	0.022	0.0018	0.026	3.7	0.0011	0.19	0.00022	0.0047	0.00001	0.0052	0.0000045	11	0.00053	0.00013	0.0014	0.26
70	October	1.8	0.021	0.021	0.0019	0.028	3.8	0.0012	0.19	0.00023	0.0051	0.000011	0.0053	0.0000046	11	0.00053	0.00013	0.0014	0.26
70	November	1.8	0.022	0.021	0.0021	0.030	3.9	0.0012	0.2	0.00024	0.0054	0.000011	0.0053	0.0000048	11	0.00054	0.00013	0.0014	0.26
70	December	1.8	0.023	0.022	0.0024	0.031	3.9	0.0013	0.2	0.00024	0.0057	0.000012	0.0055	0.0000051	12	0.00056	0.00014	0.0014	0.26

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000098	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00041	0.00020
-6	February	0.00012	2.9	0.012	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000052	0.000051	0.00012	0.00079	0.0016	0.00041	0.00020
-6	March	0.00012	2.9	0.012	0.0000011	0.00022	0.0011	1.1	0.0001	0.0000099	0.0000051	0.00005	0.00012	0.00077	0.0016	0.00041	0.00020
-6	April	0.00012	2.9	0.012	0.0000011	0.00022	0.0011	1.1	0.000099	0.00001	0.000005	0.000049	0.00011	0.00075	0.0016	0.00042	0.00021
-6	May	0.00011	2.7	0.011	0.000001	0.00021	0.0010	1.0	0.000094	0.0000099	0.0000046	0.000047	0.00011	0.00070	0.0015	0.00042	0.00020
-6	June	0.000098	2.6	0.01	0.000001	0.00019	0.0010	1.0	0.000087	0.0000086	0.0000044	0.000044	0.0001	0.00065	0.0014	0.00037	0.00018
-6	July	0.0001	2.6	0.01	0.0000011	0.00019	0.0010	1.0	0.000087	0.0000075	0.0000044	0.000044	0.000098	0.00066	0.0014	0.00033	0.00016
-6	August	0.00011	2.7	0.011	0.0000012	0.00019	0.0010	1.0	0.000091	0.0000071	0.0000046	0.000046	0.0001	0.00070	0.0015	0.00033	0.00016
-6	September	0.00011	2.8	0.012	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000069	0.0000048	0.000048	0.0001	0.00074	0.0015	0.00034	0.00017
-6	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000098	0.0000071	0.000005	0.000049	0.00011	0.00076	0.0015	0.00036	0.00017
-6	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.000099	0.000008	0.0000051	0.00005	0.00011	0.00079	0.0016	0.00037	0.00019
-6	December	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.000009	0.0000052	0.00005	0.00011	0.00080	0.0016	0.00038	0.00019
-5	January	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000098	0.0000053	0.000051	0.00012	0.00081	0.0016	0.00041	0.00020
-5	February	0.00013	3.0	0.012	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000054	0.000051	0.00012	0.00081	0.0016	0.00043	0.00021
-5	March	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00045	0.00022
-5	April	0.00012	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000053	0.000052	0.00012	0.00079	0.0017	0.00047	0.00023
-5	May	0.00011	2.9	0.012	0.0000011	0.00022	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00022
-5	June	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000094	0.0000046	0.000046	0.00011	0.00068	0.0015	0.0004	0.00020
-5	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.00009	0.000008	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00017
-5	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000047	0.0001	0.00071	0.0015	0.00034	0.00017
-5	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000097	0.0000072	0.0000049	0.000049	0.00011	0.00075	0.0015	0.00035	0.00017
-5	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.000099	0.0000073	0.000005	0.00005	0.00011	0.00077	0.0016	0.00036	0.00018
-5	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.00005	0.00011	0.00079	0.0016	0.00037	0.00019
-5	December	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000091	0.0000052	0.000051	0.00011	0.00081	0.0016	0.00039	0.00020
-4	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000051	0.00012	0.00081	0.0016	0.00041	0.00021
-4	February	0.00013	3.0	0.013	0.0000012	0.00023	0.0012	1.1	0.0001	0.00001	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00043	0.00021
-4	March	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00081	0.0017	0.00045	0.00022
-4	April	0.00012	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000053	0.000052	0.00012	0.00080	0.0017	0.00047	0.00023
-4	May	0.00011	2.9	0.012	0.0000011	0.00022	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00022
-4	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000094	0.0000046	0.000046	0.00011	0.00069	0.0015	0.0004	0.00020
-4	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.00009	0.000008	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00017
-4	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000047	0.0001	0.00071	0.0015	0.00034	0.00017
-4	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000097	0.0000072	0.0000049	0.000049	0.00011	0.00075	0.0015	0.00036	0.00017
-4	October	0.00012	2.9	0.012	0.0000012	0.00021	0.0011	1.1	0.000099	0.0000073	0.000005	0.00005	0.00011	0.00077	0.0016	0.00036	0.00018
-4	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.00005	0.00011	0.00079	0.0016	0.00037	0.00019
-4	December	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000091	0.0000052	0.000051	0.00011	0.00081	0.0016	0.00039	0.00020
-3	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000051	0.00012	0.00081	0.0016	0.00041	0.00021
-3	February	0.00013	3.0	0.013	0.0000012	0.00023	0.0012	1.1	0.0001	0.00001	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00043	0.00021
-3	March	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00081	0.0017	0.00045	0.00022
-3	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00080	0.0017	0.00047	0.00023
-3	May	0.00012	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00023
-3	June	0.00011	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000094	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00021
-3	July	0.00011	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000091	0.0000081	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00019
-3	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000048	0.0001	0.00071	0.0015	0.00035	0.00018
-3	September	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000098	0.0000072	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00018
-3	October	0.00012	2.9	0.012	0.0000012	0.00021	0.0011	1.1	0.0001	0.0000073	0.000005	0.000051	0.00011	0.00077	0.0016	0.00036	0.00019
-3	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000051	0.00011	0.00079	0.0016	0.00037	0.00021
-3	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000091	0.0000052	0.000052	0.00012	0.00081	0.0016	0.00039	0.00022
-2	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00041	0.00022
-2	February	0.00013	3.0	0.013	0.0000012	0.00023	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00023
-2	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00024
-2	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00080	0.0017	0.00047	0.00025
-2	May	0.00012	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00025
-2	June	0.00011	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000094	0.0000046	0.000048	0.00011	0.00069	0.0015	0.0004	0.00022
-2	July	0.00011	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000091	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00035	0.00020
-2	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000095	0.0000075	0.0000047	0.000049	0.0001	0.00071	0.0015	0.00035	0.00020

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.000051	0.00011	0.00075	0.0016	0.00036	0.00020
-2	October	0.00012	2.9	0.012	0.0000012	0.00021	0.0011	1.1	0.0001	0.0000074	0.000005	0.000052	0.00011	0.00077	0.0016	0.00037	0.00021
-2	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00037	0.00022
-2	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00039	0.00023
-1	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00041	0.00024
-1	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00025
-1	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00081	0.0017	0.00045	0.00025
-1	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00026
-1	May	0.00012	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00025
-1	June	0.00011	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000094	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00021
-1	July	0.00011	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000091	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00035	0.00019
-1	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000075	0.0000047	0.000048	0.0001	0.00071	0.0015	0.00035	0.00019
-1	September	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.000051	0.00011	0.00075	0.0016	0.00036	0.00020
-1	October	0.00012	2.9	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000052	0.00011	0.00077	0.0016	0.00036	0.00022
-1	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000053	0.00011	0.00079	0.0016	0.00037	0.00024
-1	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000054	0.00012	0.00081	0.0016	0.00039	0.00025
1	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.00011	0.00001	0.0000053	0.000054	0.00012	0.00081	0.0016	0.00041	0.00026
1	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000054	0.00012	0.00082	0.0017	0.00043	0.00026
1	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000055	0.00012	0.00081	0.0017	0.00045	0.00027
1	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00027
1	May	0.00012	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.0000053	0.000053	0.00012	0.00074	0.0016	0.00046	0.00029
1	June	0.00011	2.7	0.011	0.0000011	0.00022	0.0010	1.0	0.000097	0.0000095	0.0000054	0.000051	0.00011	0.00069	0.0015	0.0004	0.00030
1	July	0.00011	2.7	0.011	0.0000012	0.00022	0.0010	1.0	0.000096	0.0000082	0.0000057	0.000053	0.0001	0.00068	0.0015	0.00035	0.00031
1	August	0.00011	2.7	0.011	0.0000012	0.00022	0.0010	1.0	0.0001	0.0000077	0.000006	0.000056	0.00011	0.00071	0.0015	0.00034	0.00033
1	September	0.00012	2.8	0.012	0.0000012	0.00023	0.0011	1.1	0.00011	0.0000075	0.000006	0.000059	0.00011	0.00075	0.0016	0.00035	0.00036
1	October	0.00012	2.9	0.012	0.0000012	0.00024	0.0011	1.1	0.00011	0.0000077	0.000006	0.000061	0.00011	0.00077	0.0016	0.00036	0.00039
1	November	0.00013	2.9	0.013	0.0000012	0.00025	0.0011	1.1	0.00011	0.0000085	0.0000059	0.000063	0.00011	0.00079	0.0016	0.00037	0.00042
1	December	0.00013	2.9	0.013	0.0000012	0.00025	0.0011	1.1	0.00011	0.0000095	0.0000059	0.000063	0.00012	0.00081	0.0016	0.00039	0.00042
2	January	0.00013	3.0	0.013	0.0000012	0.00026	0.0011	1.1	0.00011	0.00001	0.0000059	0.000063	0.00012	0.00082	0.0016	0.00041	0.00042
2	February	0.00013	3.0	0.012	0.0000012	0.00026	0.0012	1.1	0.00011	0.000011	0.0000059	0.000063	0.00012	0.00082	0.0017	0.00043	0.00042
2	March	0.00013	3.0	0.012	0.0000012	0.00026	0.0012	1.1	0.00011	0.000011	0.0000058	0.000062	0.00012	0.00081	0.0017	0.00045	0.00041
2	April	0.00013	3.0	0.012	0.0000012	0.00026	0.0012	1.2	0.00011	0.000012	0.0000057	0.000061	0.00013	0.00080	0.0017	0.00047	0.00039
2	May	0.00012	2.9	0.012	0.0000011	0.00025	0.0011	1.1	0.00011	0.000011	0.0000056	0.000059	0.00012	0.00074	0.0016	0.00046	0.00037
2	June	0.00011	2.7	0.011	0.0000011	0.00023	0.0010	1.0	0.0001	0.0000097	0.0000059	0.000058	0.00011	0.00069	0.0015	0.0004	0.00035
2	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000084	0.0000065	0.00006	0.0001	0.00068	0.0015	0.00035	0.00034
2	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000078	0.0000068	0.000064	0.00011	0.00071	0.0015	0.00034	0.00035
2	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000076	0.0000069	0.000069	0.00011	0.00075	0.0016	0.00035	0.00038
2	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000078	0.0000067	0.000072	0.00011	0.00077	0.0016	0.00036	0.00040
2	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00011	0.0000087	0.0000065	0.000075	0.00012	0.00079	0.0016	0.00037	0.00043
2	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000064	0.000076	0.00012	0.00081	0.0016	0.00039	0.00044
3	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000063	0.000075	0.00012	0.00082	0.0017	0.00041	0.00044
3	February	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.1	0.00012	0.000011	0.0000062	0.000075	0.00012	0.00082	0.0017	0.00043	0.00043
3	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000062	0.000073	0.00013	0.00081	0.0017	0.00045	0.00042
3	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.000006	0.000071	0.00013	0.00080	0.0017	0.00047	0.00041
3	May	0.00012	2.9	0.012	0.0000012	0.00025	0.0011	1.1	0.00011	0.000011	0.0000058	0.000067	0.00012	0.00074	0.0016	0.00046	0.00039
3	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000061	0.000064	0.00011	0.00069	0.0015	0.0004	0.00036
3	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000084	0.0000066	0.000065	0.00011	0.00068	0.0015	0.00035	0.00035
3	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000079	0.0000069	0.000068	0.00011	0.00071	0.0015	0.00034	0.00037
3	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000077	0.0000069	0.000073	0.00011	0.00075	0.0016	0.00035	0.00039
3	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.0000079	0.0000067	0.000076	0.00011	0.00077	0.0016	0.00036	0.00041
3	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000065	0.000079	0.00012	0.00079	0.0016	0.00037	0.00044
3	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000098	0.0000064	0.000079	0.00012	0.00081	0.0016	0.00039	0.00045
4	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000063	0.000079	0.00012	0.00082	0.0017	0.00041	0.00045
4	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000063	0.000078	0.00012	0.00082	0.0017	0.00043	0.00044
4	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000062	0.000077	0.00013	0.00081	0.0017	0.00045	0.00044
4	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.000006	0.000075	0.00013	0.00080	0.0017	0.00047	0.00042

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00012	2.9	0.012	0.0000012	0.00025	0.0011	1.1	0.00011	0.000011	0.0000057	0.00007	0.00012	0.00075	0.0016	0.00046	0.00040
4	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000099	0.0000059	0.000066	0.00011	0.00069	0.0015	0.0004	0.00037
4	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000086	0.0000066	0.000067	0.00011	0.00068	0.0015	0.00035	0.00037
4	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.000008	0.000007	0.000071	0.00011	0.00072	0.0015	0.00034	0.00038
4	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000071	0.000076	0.00011	0.00075	0.0016	0.00035	0.00040
4	October	0.00012	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000081	0.0000069	0.000079	0.00012	0.00077	0.0016	0.00036	0.00043
4	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.000009	0.0000067	0.000082	0.00012	0.00080	0.0016	0.00037	0.00045
4	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000083	0.00012	0.00081	0.0016	0.00039	0.00046
5	January	0.00014	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000064	0.000083	0.00012	0.00082	0.0017	0.00041	0.00046
5	February	0.00014	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000064	0.000083	0.00013	0.00082	0.0017	0.00043	0.00046
5	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000063	0.000081	0.00013	0.00082	0.0017	0.00045	0.00045
5	April	0.00013	3.1	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000061	0.000079	0.00013	0.00080	0.0017	0.00047	0.00044
5	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000012	0.0000058	0.000074	0.00012	0.00075	0.0016	0.00046	0.00042
5	June	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.00001	0.0000059	0.000069	0.00011	0.00069	0.0015	0.0004	0.00039
5	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000087	0.0000066	0.000069	0.00011	0.00068	0.0015	0.00035	0.00038
5	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.0000081	0.000007	0.000072	0.00011	0.00072	0.0015	0.00034	0.00039
5	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.000008	0.0000071	0.000076	0.00011	0.00075	0.0016	0.00035	0.00041
5	October	0.00012	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000082	0.0000069	0.00008	0.00012	0.00077	0.0016	0.00036	0.00043
5	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000091	0.0000067	0.000082	0.00012	0.00080	0.0016	0.00037	0.00046
5	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000066	0.000084	0.00012	0.00081	0.0016	0.00039	0.00047
6	January	0.00014	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000065	0.000084	0.00012	0.00082	0.0017	0.00041	0.00047
6	February	0.00014	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000064	0.000083	0.00013	0.00082	0.0017	0.00043	0.00047
6	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000063	0.000082	0.00013	0.00082	0.0017	0.00045	0.00047
6	April	0.00013	3.1	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000061	0.00008	0.00013	0.00080	0.0017	0.00047	0.00046
6	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000058	0.000075	0.00012	0.00075	0.0017	0.00046	0.00044
6	June	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.00001	0.0000059	0.000069	0.00011	0.00069	0.0015	0.0004	0.00040
6	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000088	0.0000065	0.000069	0.00011	0.00069	0.0015	0.00035	0.00039
6	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.0000082	0.0000069	0.000071	0.00011	0.00072	0.0015	0.00034	0.00039
6	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000081	0.000007	0.000075	0.00011	0.00075	0.0016	0.00035	0.00041
6	October	0.00013	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000083	0.0000069	0.000078	0.00012	0.00077	0.0016	0.00036	0.00044
6	November	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000092	0.0000067	0.000081	0.00012	0.00080	0.0016	0.00037	0.00046
6	December	0.00014	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000082	0.00012	0.00081	0.0016	0.00039	0.00048
7	January	0.00014	3.0	0.013	0.0000013	0.00028	0.0011	1.1	0.00012	0.000011	0.0000064	0.000082	0.00012	0.00082	0.0017	0.00041	0.00048
7	February	0.00014	3.0	0.012	0.0000013	0.00028	0.0012	1.2	0.00012	0.000012	0.0000064	0.000082	0.00013	0.00082	0.0017	0.00043	0.00048
7	March	0.00013	3.0	0.012	0.0000013	0.00028	0.0012	1.2	0.00012	0.000012	0.0000063	0.000082	0.00013	0.00082	0.0017	0.00045	0.00048
7	April	0.00013	3.1	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000061	0.00008	0.00013	0.00080	0.0017	0.00047	0.00047
7	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000058	0.000075	0.00012	0.00075	0.0017	0.00046	0.00045
7	June	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.1	0.00011	0.00001	0.0000059	0.00007	0.00011	0.00069	0.0015	0.0004	0.00041
7	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000089	0.0000065	0.00007	0.00011	0.00069	0.0015	0.00035	0.00040
7	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.0000083	0.0000069	0.000072	0.00011	0.00072	0.0015	0.00034	0.00040
7	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000081	0.000007	0.000076	0.00011	0.00075	0.0016	0.00035	0.00042
7	October	0.00013	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000083	0.0000068	0.00008	0.00012	0.00077	0.0016	0.00036	0.00044
7	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000092	0.0000066	0.000082	0.00012	0.00080	0.0016	0.00037	0.00047
7	December	0.00014	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000084	0.00012	0.00081	0.0016	0.00039	0.00048
8	January	0.00014	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000064	0.000084	0.00012	0.00082	0.0017	0.00041	0.00049
8	February	0.00014	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000063	0.000084	0.00013	0.00082	0.0017	0.00043	0.00049
8	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000062	0.000083	0.00013	0.00082	0.0017	0.00045	0.00048
8	April	0.00013	3.1	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000061	0.000081	0.00013	0.00080	0.0017	0.00047	0.00048
8	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000059	0.000077	0.00012	0.00075	0.0017	0.00046	0.00046
8	June	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.00001	0.0000061	0.000071	0.00011	0.00069	0.0015	0.0004	0.00042
8	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000088	0.0000067	0.000071	0.00011	0.00069	0.0015	0.00035	0.00040
8	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.0000082	0.000007	0.000073	0.00011	0.00072	0.0015	0.00034	0.00041
8	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.000008	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00043
8	October	0.00013	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000082	0.0000069	0.000081	0.00012	0.00077	0.0016	0.00036	0.00045
8	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000091	0.0000067	0.000083	0.00012	0.00080	0.0016	0.00037	0.00047
8	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000084	0.00012	0.00081	0.0016	0.00039	0.00048

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00014	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000064	0.000085	0.00012	0.00082	0.0017	0.00041	0.00049
9	February	0.00014	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000064	0.000084	0.00013	0.00082	0.0017	0.00043	0.00048
9	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000063	0.000083	0.00013	0.00082	0.0017	0.00045	0.00048
9	April	0.00013	3.1	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000061	0.000082	0.00013	0.00080	0.0017	0.00047	0.00048
9	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000061	0.000077	0.00012	0.00075	0.0017	0.00046	0.00046
9	June	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.00001	0.0000063	0.000072	0.00011	0.00069	0.0015	0.0004	0.00042
9	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000086	0.0000068	0.000071	0.00011	0.00068	0.0015	0.00035	0.00041
9	August	0.00011	2.7	0.011	0.0000013	0.00024	0.0010	1.0	0.00011	0.000008	0.0000072	0.000074	0.00011	0.00072	0.0015	0.00034	0.00041
9	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000072	0.000078	0.00011	0.00075	0.0016	0.00035	0.00043
9	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.000008	0.000007	0.000082	0.00011	0.00077	0.0016	0.00036	0.00045
9	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000089	0.0000067	0.000084	0.00012	0.00080	0.0016	0.00037	0.00047
9	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000099	0.0000066	0.000085	0.00012	0.00081	0.0016	0.00039	0.00048
10	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000065	0.000085	0.00012	0.00082	0.0017	0.00041	0.00048
10	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000065	0.000084	0.00013	0.00082	0.0017	0.00043	0.00048
10	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000012	0.0000065	0.000083	0.00013	0.00082	0.0017	0.00045	0.00048
10	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000064	0.000082	0.00013	0.00080	0.0017	0.00047	0.00047
10	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000063	0.000077	0.00012	0.00075	0.0016	0.00046	0.00046
10	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.00011	0.0000099	0.0000065	0.000072	0.00011	0.00069	0.0015	0.0004	0.00042
10	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000085	0.0000069	0.000071	0.00011	0.00068	0.0015	0.00035	0.00040
10	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000079	0.0000072	0.000074	0.00011	0.00072	0.0015	0.00034	0.00041
10	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000077	0.0000072	0.000078	0.00011	0.00075	0.0016	0.00035	0.00043
10	October	0.00012	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00011	0.0000079	0.000007	0.000081	0.00011	0.00077	0.0016	0.00036	0.00045
10	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000067	0.000084	0.00012	0.00079	0.0016	0.00037	0.00047
10	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000066	0.000085	0.00012	0.00081	0.0016	0.00039	0.00048
11	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000085	0.00012	0.00082	0.0017	0.00041	0.00048
11	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000065	0.000084	0.00013	0.00082	0.0017	0.00043	0.00048
11	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000065	0.000083	0.00013	0.00081	0.0017	0.00045	0.00048
11	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000064	0.000082	0.00013	0.00080	0.0017	0.00047	0.00047
11	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000064	0.000077	0.00012	0.00075	0.0016	0.00046	0.00046
11	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000065	0.000072	0.00011	0.00069	0.0015	0.0004	0.00042
11	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000085	0.000007	0.000071	0.00011	0.00068	0.0015	0.00035	0.00040
11	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000079	0.0000072	0.000074	0.00011	0.00071	0.0015	0.00034	0.00041
11	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000077	0.0000072	0.000078	0.00011	0.00075	0.0016	0.00035	0.00043
11	October	0.00012	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00011	0.0000078	0.0000069	0.000082	0.00011	0.00077	0.0016	0.00036	0.00045
11	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000067	0.000085	0.00012	0.00079	0.0016	0.00037	0.00047
11	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000066	0.000086	0.00012	0.00081	0.0016	0.00039	0.00048
12	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000086	0.00012	0.00082	0.0017	0.00041	0.00048
12	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000066	0.000085	0.00013	0.00082	0.0017	0.00043	0.00048
12	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000065	0.000084	0.00013	0.00081	0.0017	0.00045	0.00048
12	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000065	0.000082	0.00013	0.00080	0.0017	0.00047	0.00047
12	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000065	0.000077	0.00012	0.00075	0.0016	0.00046	0.00046
12	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000066	0.000072	0.00011	0.00069	0.0015	0.0004	0.00042
12	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000084	0.000007	0.000071	0.00011	0.00068	0.0015	0.00035	0.00040
12	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000079	0.0000073	0.000074	0.00011	0.00072	0.0015	0.00034	0.00041
12	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000077	0.0000073	0.000078	0.00011	0.00075	0.0016	0.00035	0.00043
12	October	0.00012	2.9	0.012	0.0000013	0.00026	0.0011	1.1	0.00011	0.0000078	0.000007	0.000082	0.00011	0.00077	0.0016	0.00036	0.00045
12	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000068	0.000085	0.00012	0.00079	0.0016	0.00037	0.00047
12	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000066	0.000085	0.00012	0.00081	0.0016	0.00039	0.00048
13	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000066	0.000085	0.00012	0.00082	0.0017	0.00041	0.00048
13	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000066	0.000084	0.00013	0.00082	0.0017	0.00043	0.00048
13	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000066	0.000083	0.00013	0.00082	0.0017	0.00045	0.00047
13	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000065	0.000082	0.00013	0.00080	0.0017	0.00047	0.00047
13	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000065	0.000077	0.00012	0.00075	0.0016	0.00046	0.00045
13	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000066	0.000072	0.00011	0.00069	0.0015	0.0004	0.00042
13	July	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.0001	0.0000085	0.000007	0.000071	0.00011	0.00068	0.0015	0.00035	0.00040
13	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0010	1.0	0.00011	0.0000079	0.0000073	0.000074	0.00011	0.00072	0.0015	0.00034	0.00041

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00012	2.8	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000077	0.0000073	0.000079	0.00011	0.00075	0.0016	0.00035	0.00043
13	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.000007	0.000083	0.00011	0.00077	0.0016	0.00036	0.00045
13	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000068	0.000085	0.00012	0.00079	0.0016	0.00037	0.00047
13	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000066	0.000086	0.00012	0.00081	0.0016	0.00039	0.00048
14	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000065	0.000086	0.00012	0.00082	0.0017	0.00041	0.00048
14	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000065	0.000085	0.00013	0.00082	0.0017	0.00043	0.00047
14	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000065	0.000084	0.00013	0.00082	0.0017	0.00045	0.00047
14	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000064	0.000082	0.00013	0.00080	0.0017	0.00047	0.00047
14	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000062	0.000077	0.00012	0.00075	0.0016	0.00046	0.00045
14	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000062	0.000071	0.00011	0.00069	0.0015	0.0004	0.00042
14	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000065	0.000071	0.00011	0.00068	0.0015	0.00035	0.00040
14	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.0000068	0.000074	0.00011	0.00072	0.0015	0.00034	0.00041
14	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.000007	0.000078	0.00011	0.00075	0.0016	0.00035	0.00043
14	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000071	0.000082	0.00011	0.00077	0.0016	0.00036	0.00046
14	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000074	0.000085	0.00012	0.00079	0.0016	0.00037	0.00049
14	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000075	0.000085	0.00012	0.00081	0.0016	0.00039	0.00050
15	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000075	0.000084	0.00012	0.00082	0.0017	0.00041	0.00050
15	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000075	0.000083	0.00013	0.00082	0.0017	0.00043	0.00049
15	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000075	0.000082	0.00013	0.00081	0.0017	0.00045	0.00049
15	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000074	0.00008	0.00013	0.00080	0.0017	0.00047	0.00048
15	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.000007	0.000075	0.00012	0.00075	0.0016	0.00046	0.00046
15	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000066	0.00007	0.00011	0.00069	0.0015	0.0004	0.00042
15	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000067	0.000069	0.00011	0.00068	0.0015	0.00035	0.00040
15	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.0000069	0.000072	0.00011	0.00071	0.0015	0.00034	0.00041
15	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.000007	0.000076	0.00011	0.00075	0.0016	0.00035	0.00043
15	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000071	0.00008	0.00011	0.00077	0.0016	0.00036	0.00046
15	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000073	0.000083	0.00012	0.00079	0.0016	0.00037	0.00049
15	December	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000097	0.0000074	0.000083	0.00012	0.00081	0.0016	0.00039	0.00050
16	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000074	0.000082	0.00012	0.00082	0.0017	0.00041	0.00050
16	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000074	0.000081	0.00013	0.00082	0.0017	0.00043	0.00049
16	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000073	0.00008	0.00013	0.00081	0.0017	0.00045	0.00049
16	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000072	0.000079	0.00013	0.00080	0.0017	0.00047	0.00048
16	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000069	0.000074	0.00012	0.00075	0.0016	0.00046	0.00046
16	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000066	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
16	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000068	0.000069	0.00011	0.00068	0.0015	0.00035	0.00041
16	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.0000069	0.000073	0.00011	0.00071	0.0015	0.00034	0.00041
16	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.000007	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
16	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000071	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
16	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00011	0.0000087	0.0000074	0.000083	0.00012	0.00079	0.0016	0.00037	0.00049
16	December	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000097	0.0000075	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
17	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000076	0.000083	0.00012	0.00082	0.0017	0.00041	0.00051
17	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000076	0.000083	0.00013	0.00082	0.0017	0.00043	0.00050
17	March	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000011	0.0000075	0.000082	0.00013	0.00081	0.0017	0.00045	0.00050
17	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000074	0.00008	0.00013	0.00080	0.0017	0.00047	0.00049
17	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000071	0.000075	0.00012	0.00075	0.0016	0.00046	0.00047
17	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000067	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
17	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000068	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
17	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.0000069	0.000073	0.00011	0.00071	0.0015	0.00034	0.00041
17	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
17	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000072	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
17	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000087	0.0000074	0.000084	0.00012	0.00079	0.0016	0.00037	0.00050
17	December	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000097	0.0000076	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
18	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000076	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
18	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000076	0.000083	0.00013	0.00082	0.0017	0.00043	0.00050
18	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000076	0.000082	0.00013	0.00081	0.0017	0.00045	0.00050
18	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000074	0.00008	0.00013	0.00080	0.0017	0.00047	0.00049

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000071	0.000075	0.00012	0.00075	0.0016	0.00046	0.00047
18	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000067	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
18	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000068	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
18	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.000007	0.000073	0.00011	0.00072	0.0015	0.00034	0.00042
18	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
18	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000072	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
18	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000074	0.000083	0.00012	0.00079	0.0016	0.00037	0.00050
18	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000076	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
19	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000076	0.000083	0.00012	0.00082	0.0017	0.00041	0.00051
19	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000077	0.000083	0.00013	0.00082	0.0017	0.00043	0.00050
19	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000076	0.000082	0.00013	0.00081	0.0017	0.00045	0.00050
19	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000075	0.00008	0.00013	0.00080	0.0017	0.00047	0.00050
19	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000072	0.000075	0.00012	0.00075	0.0016	0.00046	0.00047
19	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000068	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
19	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000069	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
19	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.000007	0.000073	0.00011	0.00071	0.0015	0.00034	0.00042
19	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000077	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
19	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000072	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
19	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000074	0.000084	0.00012	0.00079	0.0016	0.00037	0.00050
19	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000097	0.0000076	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
20	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.00001	0.0000076	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
20	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000076	0.000083	0.00013	0.00082	0.0017	0.00043	0.00050
20	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000076	0.000082	0.00013	0.00081	0.0017	0.00045	0.00050
20	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000075	0.00008	0.00013	0.00080	0.0017	0.00047	0.00050
20	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000072	0.000076	0.00012	0.00075	0.0016	0.00046	0.00047
20	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000098	0.0000068	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
20	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000069	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
20	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.000007	0.000073	0.00011	0.00072	0.0015	0.00034	0.00042
20	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000078	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
20	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00011	0.0000079	0.0000072	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
20	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000074	0.000084	0.00012	0.00079	0.0016	0.00037	0.00050
20	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000098	0.0000077	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
21	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000077	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
21	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000077	0.000083	0.00013	0.00082	0.0017	0.00043	0.00051
21	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000077	0.000082	0.00013	0.00082	0.0017	0.00045	0.00050
21	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000076	0.00008	0.00013	0.00080	0.0017	0.00047	0.00050
21	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000072	0.000076	0.00012	0.00075	0.0016	0.00046	0.00047
21	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.0001	0.0000099	0.0000068	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
21	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000069	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
21	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.000007	0.000073	0.00011	0.00072	0.0015	0.00034	0.00041
21	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000078	0.0000071	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
21	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.0000079	0.0000072	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
21	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000074	0.000084	0.00012	0.00079	0.0016	0.00037	0.00050
21	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000098	0.0000076	0.000084	0.00012	0.00081	0.0016	0.00039	0.00051
22	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000077	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
22	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000077	0.000083	0.00013	0.00082	0.0017	0.00043	0.00051
22	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000077	0.000082	0.00013	0.00082	0.0017	0.00045	0.00050
22	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000076	0.00008	0.00013	0.00080	0.0017	0.00047	0.00050
22	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000011	0.0000073	0.000076	0.00012	0.00075	0.0017	0.00046	0.00048
22	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.00011	0.0000099	0.0000069	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
22	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.000007	0.00007	0.00011	0.00068	0.0015	0.00035	0.00041
22	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.00011	0.0000079	0.0000071	0.000073	0.00011	0.00072	0.0015	0.00034	0.00042
22	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000078	0.0000072	0.000078	0.00011	0.00075	0.0016	0.00035	0.00044
22	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.000008	0.0000073	0.000081	0.00011	0.00077	0.0016	0.00036	0.00047
22	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000075	0.000084	0.00012	0.00079	0.0016	0.00037	0.00050
22	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000098	0.0000076	0.000085	0.00012	0.00081	0.0016	0.00039	0.00051

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000076	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
23	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000076	0.000083	0.00013	0.00082	0.0017	0.00043	0.00050
23	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000076	0.000082	0.00013	0.00081	0.0017	0.00045	0.00050
23	April	0.00013	3.1	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000075	0.00008	0.00013	0.00080	0.0017	0.00047	0.00049
23	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00011	0.000012	0.0000071	0.000076	0.00012	0.00075	0.0017	0.00046	0.00047
23	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0010	1.0	0.00011	0.0000099	0.0000067	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
23	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000068	0.000069	0.00011	0.00068	0.0015	0.00035	0.00041
23	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0011	1.0	0.00011	0.000008	0.000007	0.000072	0.00011	0.00072	0.0015	0.00034	0.00041
23	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000078	0.0000072	0.000076	0.00011	0.00075	0.0016	0.00035	0.00044
23	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.000008	0.0000073	0.00008	0.00012	0.00077	0.0016	0.00036	0.00047
23	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000088	0.0000075	0.000082	0.00012	0.00079	0.0016	0.00037	0.00050
23	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000098	0.0000077	0.000083	0.00012	0.00081	0.0016	0.00039	0.00051
24	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000077	0.000082	0.00012	0.00082	0.0017	0.00041	0.00051
24	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000077	0.000081	0.00013	0.00082	0.0017	0.00043	0.00050
24	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000076	0.000081	0.00013	0.00082	0.0017	0.00045	0.00050
24	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000075	0.000079	0.00013	0.00080	0.0017	0.00047	0.00049
24	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0011	1.1	0.00012	0.000012	0.0000071	0.000075	0.00012	0.00075	0.0017	0.00046	0.00047
24	June	0.00011	2.7	0.011	0.0000011	0.00024	0.0011	1.0	0.00011	0.0000099	0.0000068	0.00007	0.00011	0.00069	0.0015	0.0004	0.00043
24	July	0.00011	2.7	0.011	0.0000012	0.00023	0.0010	1.0	0.0001	0.0000085	0.0000069	0.000069	0.00011	0.00068	0.0015	0.00035	0.00041
24	August	0.00011	2.7	0.011	0.0000012	0.00024	0.0011	1.0	0.00011	0.000008	0.000007	0.000072	0.00011	0.00072	0.0015	0.00034	0.00041
24	September	0.00012	2.8	0.012	0.0000013	0.00024	0.0011	1.1	0.00011	0.0000078	0.0000072	0.000077	0.00011	0.00075	0.0016	0.00035	0.00044
24	October	0.00012	2.9	0.012	0.0000013	0.00025	0.0011	1.1	0.00012	0.000008	0.0000073	0.000081	0.00012	0.00077	0.0016	0.00036	0.00047
24	November	0.00013	2.9	0.013	0.0000013	0.00026	0.0011	1.1	0.00012	0.0000089	0.0000075	0.000084	0.00012	0.00080	0.0016	0.00037	0.00050
24	December	0.00013	2.9	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.0000099	0.0000077	0.000085	0.00012	0.00081	0.0017	0.00039	0.00051
25	January	0.00013	3.0	0.013	0.0000013	0.00027	0.0011	1.1	0.00012	0.000011	0.0000077	0.000084	0.00012	0.00082	0.0017	0.00041	0.00051
25	February	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.1	0.00012	0.000011	0.0000077	0.000083	0.00013	0.00082	0.0017	0.00043	0.00051
25	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0012	1.2	0.00012	0.000011	0.0000077	0.000082	0.00013	0.00082	0.0017	0.00045	0.00050
25	April	0.00013	3.0	0.012	0.0000012	0.00027	0.0012	1.2	0.00012	0.000012	0.0000075	0.00008	0.00013	0.00080	0.0017	0.00047	0.00050
25	May	0.00012	2.9	0.012	0.0000012	0.00026	0.0012	1.1	0.00011	0.000012	0.000007	0.000075	0.00012	0.00075	0.0017	0.00046	0.00047
25	June	0.00011	2.7	0.011	0.0000011	0.00023	0.0011	1.0	0.0001	0.0000099	0.0000065	0.000069	0.00011	0.00069	0.0016	0.0004	0.00043
25	July	0.00011	2.7	0.011	0.0000012	0.00022	0.0011	1.0	0.0001	0.0000085	0.0000065	0.000068	0.00011	0.00068	0.0015	0.00035	0.00041
25	August	0.00011	2.7	0.011	0.0000012	0.00023	0.0011	1.0	0.00011	0.000008	0.0000068	0.000071	0.00011	0.00072	0.0016	0.00034	0.00042
25	September	0.00012	2.8	0.012	0.0000013	0.00023	0.0012	1.1	0.00011	0.0000078	0.0000072	0.000076	0.00011	0.00075	0.0016	0.00035	0.00046
25	October	0.00012	2.9	0.012	0.0000013	0.00024	0.0012	1.1	0.00011	0.000008	0.0000076	0.00008	0.00012	0.00077	0.0017	0.00036	0.00050
25	November	0.00013	2.9	0.013	0.0000013	0.00025	0.0012	1.1	0.00011	0.0000088	0.0000079	0.000082	0.00012	0.00080	0.0017	0.00037	0.00053
25	December	0.00013	2.9	0.013	0.0000013	0.00026	0.0012	1.1	0.00012	0.0000098	0.0000082	0.000082	0.00012	0.00081	0.0017	0.00039	0.00054
26	January	0.00014	3.0	0.013	0.0000013	0.00026	0.0012	1.1	0.00012	0.000011	0.0000084	0.000082	0.00013	0.00082	0.0017	0.00041	0.00054
26	February	0.00014	3.0	0.012	0.0000013	0.00027	0.0013	1.1	0.00012	0.000011	0.0000084	0.000081	0.00013	0.00082	0.0017	0.00043	0.00054
26	March	0.00013	3.0	0.012	0.0000013	0.00027	0.0013	1.2	0.00012	0.000011	0.0000083	0.00008	0.00013	0.00082	0.0018	0.00045	0.00053
26	April	0.00013	3.0	0.012	0.0000012	0.00026	0.0013	1.2	0.00012	0.000012	0.0000081	0.000078	0.00013	0.00080	0.0018	0.00047	0.00052
26	May	0.00012	2.9	0.012	0.0000012	0.00025	0.0013	1.1	0.00011	0.000012	0.0000074	0.000073	0.00012	0.00075	0.0017	0.00046	0.00049
26	June	0.00011	2.7	0.011	0.0000011	0.00022	0.0012	1.0	0.0001	0.0000099	0.0000066	0.000067	0.00011	0.00069	0.0016	0.0004	0.00044
26	July	0.00011	2.7	0.011	0.0000012	0.00021	0.0012	1.0	0.0001	0.0000085	0.0000063	0.000066	0.00011	0.00069	0.0016	0.00035	0.00042
26	August	0.00011	2.7	0.011	0.0000012	0.00022	0.0012	1.0	0.0001	0.0000079	0.0000064	0.000069	0.00011	0.00072	0.0017	0.00034	0.00043
26	September	0.00012	2.8	0.012	0.0000013	0.00022	0.0013	1.1	0.00011	0.0000078	0.0000067	0.000073	0.00011	0.00075	0.0017	0.00035	0.00047
26	October	0.00013	2.9	0.012	0.0000013	0.00023	0.0013	1.1	0.00011	0.000008	0.000007	0.000077	0.00012	0.00077	0.0018	0.00036	0.00050
26	November	0.00013	2.9	0.013	0.0000013	0.00024	0.0014	1.1	0.00011	0.0000088	0.0000072	0.000078	0.00012	0.00080	0.0018	0.00037	0.00053
26	December	0.00014	2.9	0.013	0.0000013	0.00024	0.0014	1.1	0.00011	0.0000098	0.0000074	0.000078	0.00012	0.00081	0.0018	0.00039	0.00054
27	January	0.00014	3.0	0.013	0.0000013	0.00025	0.0014	1.1	0.00011	0.000011	0.0000076	0.000078	0.00013	0.00082	0.0019	0.00041	0.00054
27	February	0.00014	3.0	0.013	0.0000013	0.00025	0.0014	1.1	0.00012	0.000011	0.0000077	0.000077	0.00013	0.00082	0.0019	0.00043	0.00053
27	March	0.00013	3.0	0.012	0.0000013	0.00025	0.0014	1.2	0.00012	0.000011	0.0000077	0.000075	0.00013	0.00082	0.0019	0.00045	0.00052
27	April	0.00013	3.0	0.012	0.0000012	0.00025	0.0014	1.2	0.00012	0.000012	0.0000074	0.000073	0.00013	0.00080	0.0018	0.00047	0.00049
27	May	0.00012	2.9	0.012	0.0000012	0.00024	0.0013	1.1	0.00011	0.000011	0.0000066	0.000065	0.00012	0.00075	0.0018	0.00046	0.00043
27	June	0.00011	2.7	0.011	0.0000011	0.00021	0.0011	1.0	0.000097	0.0000096	0.0000056	0.000056	0.00011	0.00069	0.0016	0.0004	0.00032
27	July	0.00011	2.7	0.011	0.0000011	0.00020	0.0011	1.0	0.000093	0.0000082	0.0000052	0.000052	0.0001	0.00068	0.0015	0.00035	0.00025
27	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0011	1.0	0.000095	0.0000075	0.0000052	0.000051	0.0001	0.00071	0.0015	0.00034	0.00022

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000072	0.0000052	0.000052	0.00011	0.00075	0.0016	0.00035	0.00021
27	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.0001	0.0000073	0.0000053	0.000052	0.00011	0.00077	0.0016	0.00036	0.00021
27	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000053	0.000052	0.00011	0.00079	0.0016	0.00037	0.00021
27	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000091	0.0000054	0.000052	0.00011	0.00081	0.0016	0.00039	0.00022
28	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000098	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00041	0.00022
28	February	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.0001	0.00001	0.0000055	0.000053	0.00012	0.00081	0.0016	0.00043	0.00023
28	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000055	0.000053	0.00012	0.00081	0.0017	0.00045	0.00023
28	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00080	0.0017	0.00047	0.00024
28	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.0000051	0.00005	0.00012	0.00074	0.0016	0.00046	0.00024
28	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000093	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00021
28	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.00009	0.000008	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00018
28	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000048	0.0001	0.00071	0.0015	0.00034	0.00017
28	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000097	0.0000072	0.0000049	0.000049	0.00011	0.00075	0.0015	0.00035	0.00018
28	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.000099	0.0000073	0.000005	0.00005	0.00011	0.00077	0.0016	0.00036	0.00018
28	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.000051	0.00011	0.00079	0.0016	0.00037	0.00019
28	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.000009	0.0000052	0.000051	0.00011	0.00081	0.0016	0.00039	0.00020
29	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000098	0.0000053	0.000051	0.00012	0.00081	0.0016	0.00041	0.00021
29	February	0.00013	3.0	0.012	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00043	0.00022
29	March	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00081	0.0017	0.00045	0.00022
29	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00080	0.0017	0.00047	0.00023
29	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00023
29	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000093	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00020
29	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.00009	0.000008	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00018
29	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000047	0.0001	0.00071	0.0015	0.00034	0.00017
29	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000097	0.0000072	0.0000049	0.000049	0.00011	0.00075	0.0015	0.00035	0.00017
29	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.000099	0.0000073	0.000005	0.00005	0.00011	0.00077	0.0016	0.00036	0.00018
29	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.000051	0.00011	0.00079	0.0016	0.00037	0.00019
29	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.000009	0.0000052	0.000051	0.00011	0.00081	0.0016	0.00039	0.00020
30	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000098	0.0000053	0.000051	0.00012	0.00081	0.0016	0.00041	0.00021
30	February	0.00013	3.0	0.012	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000054	0.000052	0.00012	0.00081	0.0016	0.00043	0.00022
30	March	0.00013	3.0	0.012	0.0000012	0.00023	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00081	0.0017	0.00045	0.00022
30	April	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000052	0.00012	0.00080	0.0017	0.00047	0.00023
30	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00023
30	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000093	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00020
30	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.00009	0.000008	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00018
30	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000047	0.0001	0.00071	0.0015	0.00034	0.00017
30	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000097	0.0000072	0.0000049	0.000049	0.00011	0.00075	0.0015	0.00035	0.00017
30	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.000099	0.0000073	0.000005	0.000051	0.00011	0.00077	0.0016	0.00036	0.00018
30	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00037	0.00019
30	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000091	0.0000052	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
31	January	0.00013	2.9	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00041	0.00021
31	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0011	1.1	0.00011	0.00001	0.0000054	0.000054	0.00012	0.00081	0.0016	0.00043	0.00022
31	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00081	0.0017	0.00045	0.00023
31	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00023
31	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00046	0.00023
31	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000094	0.0000046	0.000048	0.00011	0.00069	0.0015	0.0004	0.00020
31	July	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000048	0.0001	0.00068	0.0015	0.00035	0.00018
31	August	0.00011	2.7	0.011	0.0000012	0.00021	0.0010	1.0	0.000095	0.0000075	0.0000048	0.000049	0.0001	0.00071	0.0015	0.00034	0.00017
31	September	0.00011	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.000099	0.0000073	0.0000049	0.000051	0.00011	0.00075	0.0015	0.00035	0.00017
31	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000053	0.00011	0.00077	0.0016	0.00036	0.00018
31	November	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000082	0.0000052	0.000053	0.00011	0.00079	0.0016	0.00037	0.00019
31	December	0.00013	2.9	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00039	0.00020
32	January	0.00013	3.0	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000099	0.0000054	0.000054	0.00012	0.00081	0.0016	0.00041	0.00021
32	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000054	0.00012	0.00082	0.0016	0.00043	0.00022
32	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00081	0.0017	0.00045	0.00023
32	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00023

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000052	0.00012	0.00074	0.0016	0.00046	0.00023
32	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000094	0.0000046	0.000048	0.00011	0.00069	0.0015	0.0004	0.00020
32	July	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000048	0.0001	0.00068	0.0015	0.00035	0.00018
32	August	0.00011	2.7	0.011	0.0000012	0.00021	0.0010	1.0	0.000095	0.0000075	0.0000048	0.00005	0.0001	0.00071	0.0015	0.00034	0.00017
32	September	0.00011	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.000099	0.0000073	0.0000049	0.000051	0.00011	0.00075	0.0015	0.00035	0.00017
32	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000053	0.00011	0.00077	0.0016	0.00036	0.00018
32	November	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000082	0.0000052	0.000053	0.00011	0.00079	0.0016	0.00037	0.00019
32	December	0.00013	2.9	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00039	0.00020
33	January	0.00013	3.0	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000099	0.0000054	0.000054	0.00012	0.00082	0.0016	0.00041	0.00021
33	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000054	0.00012	0.00082	0.0016	0.00043	0.00022
33	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00081	0.0017	0.00045	0.00023
33	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00023
33	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000052	0.00012	0.00074	0.0016	0.00046	0.00023
33	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000094	0.0000046	0.000048	0.00011	0.00069	0.0015	0.0004	0.00020
33	July	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000048	0.0001	0.00068	0.0015	0.00035	0.00018
33	August	0.00011	2.7	0.011	0.0000012	0.00021	0.0010	1.0	0.000095	0.0000075	0.0000048	0.00005	0.0001	0.00071	0.0015	0.00034	0.00017
33	September	0.00011	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.000099	0.0000073	0.0000049	0.000051	0.00011	0.00075	0.0015	0.00035	0.00017
33	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000053	0.00011	0.00077	0.0016	0.00036	0.00018
33	November	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000082	0.0000052	0.000053	0.00011	0.00079	0.0016	0.00037	0.00019
33	December	0.00013	2.9	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000053	0.00012	0.00081	0.0016	0.00039	0.00020
34	January	0.00013	3.0	0.013	0.0000012	0.00024	0.0011	1.1	0.0001	0.0000099	0.0000054	0.000054	0.00012	0.00082	0.0016	0.00041	0.00021
34	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000054	0.00012	0.00082	0.0016	0.00043	0.00022
34	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00081	0.0017	0.00045	0.00023
34	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000054	0.00012	0.00080	0.0017	0.00047	0.00023
34	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00046	0.00023
34	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000094	0.0000046	0.000048	0.00011	0.00069	0.0015	0.0004	0.00020
34	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000091	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00035	0.00018
34	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000048	0.0001	0.00071	0.0015	0.00034	0.00017
34	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000098	0.0000072	0.0000049	0.00005	0.00011	0.00075	0.0015	0.00036	0.00017
34	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.0001	0.0000073	0.000005	0.000051	0.00011	0.00077	0.0016	0.00036	0.00018
34	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000081	0.0000051	0.000051	0.00011	0.00079	0.0016	0.00037	0.00019
34	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000091	0.0000052	0.000051	0.00012	0.00081	0.0016	0.00039	0.00020
35	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00041	0.00021
35	February	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000052	0.00012	0.00082	0.0016	0.00043	0.00021
35	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
35	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00080	0.0017	0.00047	0.00023
35	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.00005	0.00012	0.00074	0.0016	0.00046	0.00023
35	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000093	0.0000094	0.0000046	0.000047	0.00011	0.00069	0.0015	0.0004	0.00020
35	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000091	0.0000081	0.0000046	0.000046	0.0001	0.00068	0.0015	0.00035	0.00017
35	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000094	0.0000074	0.0000047	0.000048	0.0001	0.00071	0.0015	0.00035	0.00017
35	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000098	0.0000072	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
35	October	0.00012	2.8	0.012	0.0000012	0.00021	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
35	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000051	0.00011	0.00079	0.0016	0.00038	0.00019
35	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
36	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000099	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
36	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
36	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
36	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
36	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
36	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
36	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
36	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000095	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
36	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
36	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
36	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
36	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
37	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
37	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
37	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
37	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
37	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
37	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
37	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
37	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
37	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
37	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
37	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
38	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
38	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
38	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
38	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
38	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
38	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
38	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
38	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
38	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
38	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
38	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
38	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
39	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
39	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
39	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
39	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
39	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
39	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
39	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
39	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
39	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
39	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
39	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
39	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
40	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
40	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
40	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
40	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
40	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
40	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
40	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
40	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
40	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
40	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
40	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
40	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
41	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
41	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
41	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
41	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
41	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
41	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
41	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
41	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
41	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
41	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
41	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
42	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
42	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
42	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
42	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
42	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
42	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
42	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
42	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
42	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
42	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
42	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
42	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
43	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
43	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
43	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
43	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
43	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
43	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
43	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
43	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
43	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
43	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
43	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
43	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
44	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
44	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
44	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
44	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
44	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
44	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
44	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
44	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
44	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
44	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
44	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
44	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
45	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
45	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
45	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
45	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
45	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
45	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
45	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
45	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
45	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
45	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
45	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
45	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
46	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
46	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
46	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
46	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
46	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
46	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
46	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
46	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
46	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
46	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
46	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
47	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
47	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
47	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
47	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
47	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
47	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
47	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
47	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
47	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
47	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
47	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
47	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
48	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
48	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
48	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
48	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
48	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
48	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
48	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
48	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
48	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
48	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
48	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
48	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
49	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
49	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
49	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
49	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
49	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
49	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
49	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
49	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
49	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
49	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
49	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
49	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
50	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
50	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
50	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
50	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
50	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
50	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
50	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
50	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
50	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
50	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
50	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
50	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
51	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
51	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
51	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
51	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
51	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
51	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
51	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
51	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
51	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
51	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
51	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
52	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
52	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
52	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
52	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
52	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
52	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
52	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
52	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
52	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
52	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
52	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
52	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
53	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
53	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
53	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
53	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
53	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
53	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
53	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
53	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
53	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
53	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
53	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
53	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
54	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
54	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
54	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
54	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
54	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
54	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
54	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
54	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
54	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
54	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
54	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
54	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
55	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
55	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
55	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
55	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
55	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
55	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
55	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
55	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
55	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
55	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
55	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
56	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
56	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
56	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
56	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
56	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
56	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
56	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
56	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
56	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
56	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
56	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
56	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
57	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
57	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
57	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
57	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
57	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
57	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
57	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
57	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
57	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
57	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
57	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
57	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
58	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
58	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
58	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
58	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
58	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
58	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
58	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
58	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
58	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
58	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
58	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
58	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
59	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
59	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
59	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
59	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
59	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
59	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
59	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
59	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
59	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
59	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
59	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
59	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
60	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
60	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
60	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
60	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
60	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
60	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
60	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
60	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
60	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
60	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
60	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
61	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
61	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
61	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
61	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
61	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
61	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
61	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
61	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
61	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
61	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
61	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
61	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
62	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
62	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
62	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
62	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
62	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
62	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
62	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
62	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
62	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
62	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
62	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
62	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
63	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
63	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
63	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
63	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
63	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
63	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
63	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
63	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
63	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
63	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
63	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
63	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
64	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
64	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
64	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
64	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
64	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
64	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
64	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
64	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
64	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
64	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
64	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
64	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
65	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
65	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
65	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
65	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
65	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
65	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
65	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
65	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
65	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
65	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
65	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
66	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
66	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
66	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
66	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
66	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
66	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
66	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
66	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
66	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
66	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
66	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
66	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
67	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
67	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
67	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
67	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
67	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00074	0.0016	0.00047	0.00023
67	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
67	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
67	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
67	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
67	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
67	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
67	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
68	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
68	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
68	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
68	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
68	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
68	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
68	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
68	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
68	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
68	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
68	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
68	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
69	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
69	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
69	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
69	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
69	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
69	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
69	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
69	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017

Table G-12: Tabulated Receiver Water Quality Model Results, Base Case, Pakwash Lake (PAK-OUT)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
69	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
69	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
69	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020
70	January	0.00013	3.0	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.00001	0.0000053	0.000052	0.00012	0.00082	0.0016	0.00041	0.00021
70	February	0.00013	3.0	0.013	0.0000012	0.00024	0.0012	1.1	0.00011	0.00001	0.0000054	0.000053	0.00012	0.00082	0.0017	0.00043	0.00021
70	March	0.00013	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00012	0.00081	0.0017	0.00045	0.00022
70	April	0.00012	3.0	0.012	0.0000012	0.00024	0.0012	1.1	0.00011	0.000011	0.0000054	0.000053	0.00013	0.00080	0.0017	0.00047	0.00023
70	May	0.00011	2.9	0.012	0.0000011	0.00023	0.0011	1.1	0.0001	0.000011	0.000005	0.000051	0.00012	0.00075	0.0016	0.00047	0.00023
70	June	0.0001	2.7	0.011	0.0000011	0.00021	0.0010	1.0	0.000094	0.0000095	0.0000046	0.000047	0.00011	0.00069	0.0015	0.00041	0.00020
70	July	0.0001	2.7	0.011	0.0000011	0.00020	0.0010	1.0	0.000092	0.0000081	0.0000046	0.000047	0.0001	0.00068	0.0015	0.00036	0.00017
70	August	0.00011	2.7	0.011	0.0000012	0.00020	0.0010	1.0	0.000096	0.0000075	0.0000047	0.000048	0.00011	0.00072	0.0015	0.00035	0.00017
70	September	0.00011	2.8	0.012	0.0000012	0.00021	0.0011	1.0	0.000099	0.0000073	0.0000049	0.00005	0.00011	0.00075	0.0016	0.00036	0.00017
70	October	0.00012	2.8	0.012	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000074	0.000005	0.000051	0.00011	0.00077	0.0016	0.00037	0.00018
70	November	0.00013	2.9	0.013	0.0000012	0.00022	0.0011	1.1	0.0001	0.0000082	0.0000051	0.000052	0.00011	0.00079	0.0016	0.00038	0.00019
70	December	0.00013	2.9	0.013	0.0000012	0.00023	0.0011	1.1	0.0001	0.0000092	0.0000053	0.000052	0.00012	0.00081	0.0016	0.00039	0.00020

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	0.55	0.041	0.064	0.0028	0.028	1.1	0.0027	0.26	0.0001	0.0017	0.000011	0.0051	0.0000048	19	0.0007	0.0002	0.0011	0.59
-6	February	0.55	0.041	0.064	0.0028	0.028	1.1	0.0027	0.26	0.0001	0.0017	0.000011	0.0051	0.0000048	19	0.0007	0.0002	0.0011	0.59
-6	March	0.56	0.042	0.066	0.0028	0.029	1.1	0.0026	0.26	0.0001	0.0017	0.000011	0.0051	0.0000048	19	0.00071	0.0002	0.0011	0.6
-6	April	0.73	0.04	0.11	0.0035	0.032	1.1	0.0018	0.28	0.000084	0.0019	0.000015	0.005	0.0000059	18	0.00076	0.00025	0.0012	0.78
-6	May	0.83	0.03	0.15	0.0033	0.034	1.0	0.0014	0.41	0.0001	0.002	0.000017	0.0056	0.000009	15	0.00089	0.00025	0.0015	0.76
-6	June	0.82	0.03	0.097	0.0026	0.033	0.97	0.0023	0.39	0.00014	0.0021	0.000018	0.0078	0.0000089	13	0.00084	0.00023	0.0014	0.7
-6	July	0.82	0.036	0.061	0.0031	0.035	0.98	0.0024	0.33	0.00013	0.0023	0.000019	0.0082	0.0000074	16	0.00075	0.00024	0.0013	0.67
-6	August	0.76	0.042	0.047	0.0061	0.041	1.0	0.0021	0.3	0.00012	0.0028	0.00002	0.007	0.0000068	20	0.00076	0.00026	0.0013	0.71
-6	September	0.86	0.045	0.038	0.0092	0.043	1.0	0.0022	0.29	0.00015	0.0029	0.000019	0.0058	0.0000067	24	0.00082	0.00026	0.0014	0.75
-6	October	0.88	0.047	0.033	0.0095	0.037	1.0	0.002	0.26	0.00021	0.0024	0.000015	0.0054	0.0000059	27	0.00079	0.00023	0.0012	0.7
-6	November	0.72	0.047	0.034	0.0075	0.033	1.0	0.0022	0.25	0.0002	0.002	0.000012	0.0053	0.0000053	24	0.00076	0.0002	0.0011	0.64
-6	December	0.63	0.045	0.039	0.0059	0.031	1.0	0.0026	0.26	0.00017	0.0019	0.000011	0.0052	0.0000052	22	0.00075	0.0002	0.0011	0.62
-5	January	0.61	0.044	0.043	0.0053	0.03	1.0	0.0027	0.26	0.00015	0.0019	0.000011	0.0052	0.0000051	21	0.00074	0.0002	0.0011	0.61
-5	February	0.6	0.044	0.045	0.005	0.03	1.0	0.0027	0.26	0.00015	0.0018	0.000011	0.0052	0.0000051	21	0.00074	0.0002	0.0011	0.61
-5	March	0.61	0.044	0.05	0.0047	0.03	1.1	0.0026	0.26	0.00014	0.0018	0.000011	0.0052	0.0000051	20	0.00074	0.0002	0.0011	0.62
-5	April	0.75	0.041	0.10	0.0043	0.033	1.1	0.0018	0.28	0.000099	0.002	0.000015	0.0051	0.000006	18	0.00077	0.00025	0.0012	0.79
-5	May	0.83	0.03	0.15	0.0034	0.034	1	0.0014	0.41	0.0001	0.002	0.000017	0.0056	0.000009	15	0.00089	0.00025	0.0015	0.76
-5	June	0.82	0.03	0.097	0.0026	0.033	0.97	0.0023	0.39	0.00014	0.0021	0.000018	0.0078	0.0000089	13	0.00084	0.00023	0.0014	0.7
-5	July	0.82	0.036	0.061	0.0031	0.035	0.98	0.0024	0.33	0.00013	0.0023	0.000019	0.0082	0.0000074	16	0.00075	0.00024	0.0013	0.67
-5	August	0.76	0.042	0.047	0.0061	0.041	1.0	0.0021	0.3	0.00012	0.0028	0.00002	0.007	0.0000068	20	0.00076	0.00026	0.0013	0.71
-5	September	0.86	0.045	0.038	0.0092	0.043	1.0	0.0022	0.29	0.00015	0.0029	0.000019	0.0058	0.0000067	24	0.00082	0.00026	0.0014	0.75
-5	October	0.88	0.047	0.033	0.0095	0.037	1.0	0.002	0.26	0.00021	0.0024	0.000015	0.0054	0.0000059	27	0.00079	0.00023	0.0012	0.7
-5	November	0.72	0.047	0.034	0.0075	0.033	1.0	0.0022	0.25	0.0002	0.002	0.000012	0.0053	0.0000053	24	0.00076	0.0002	0.0011	0.64
-5	December	0.63	0.045	0.039	0.0059	0.031	1.0	0.0026	0.26	0.00017	0.0019	0.000011	0.0052	0.0000052	22	0.00075	0.0002	0.0011	0.62
-4	January	0.61	0.044	0.043	0.0053	0.03	1.0	0.0027	0.26	0.00015	0.0019	0.000011	0.0052	0.0000051	21	0.00074	0.0002	0.0011	0.61
-4	February	0.6	0.044	0.045	0.005	0.03	1.0	0.0027	0.26	0.00015	0.0018	0.000011	0.0052	0.0000051	21	0.00074	0.0002	0.0011	0.61
-4	March	0.61	0.044	0.05	0.0047	0.03	1.1	0.0026	0.26	0.00014	0.0018	0.000011	0.0052	0.0000051	20	0.00074	0.0002	0.0011	0.62
-4	April	0.75	0.041	0.10	0.0043	0.033	1.1	0.0018	0.28	0.000099	0.002	0.000015	0.0051	0.000006	18	0.00077	0.00025	0.0012	0.79
-4	May	0.83	0.03	0.15	0.0034	0.034	1	0.0014	0.41	0.0001	0.002	0.000017	0.0056	0.000009	15	0.00089	0.00025	0.0015	0.76
-4	June	0.82	0.03	0.097	0.0026	0.033	0.97	0.0023	0.39	0.00014	0.0021	0.000018	0.0078	0.0000089	13	0.00084	0.00023	0.0014	0.7
-4	July	0.82	0.036	0.061	0.0031	0.035	0.98	0.0024	0.33	0.00013	0.0023	0.000019	0.0082	0.0000074	16	0.00075	0.00024	0.0013	0.67
-4	August	0.76	0.042	0.047	0.0061	0.041	1.0	0.0021	0.3	0.00012	0.0028	0.00002	0.007	0.0000068	20	0.00076	0.00026	0.0013	0.71
-4	September	0.86	0.045	0.038	0.0092	0.043	1.0	0.0022	0.29	0.00015	0.0029	0.000019	0.0058	0.0000067	24	0.00082	0.00026	0.0014	0.75
-4	October	0.88	0.047	0.033	0.0095	0.037	1.0	0.002	0.26	0.00021	0.0024	0.000015	0.0054	0.0000059	27	0.00079	0.00023	0.0012	0.7
-4	November	0.72	0.047	0.034	0.0075	0.033	1.0	0.0022	0.25	0.0002	0.002	0.000012	0.0053	0.0000053	24	0.00076	0.0002	0.0011	0.64
-4	December	0.63	0.045	0.039	0.0059	0.031	1.0	0.0026	0.26	0.00017	0.0019	0.000011	0.0052	0.0000052	22	0.00075	0.0002	0.0011	0.62
-3	January	0.61	0.044	0.043	0.0053	0.03	1.0	0.0027	0.27	0.00016	0.002	0.000011	0.0052	0.0000069	21	0.00075	0.00021	0.0012	0.62
-3	February	0.6	0.044	0.045	0.005	0.03	1.0	0.0027	0.3	0.00015	0.0021	0.000012	0.0052	0.00001	21	0.00077	0.00022	0.0012	0.64
-3	March	0.61	0.044	0.05	0.0047	0.031	1.1	0.0026	0.31	0.00015	0.0022	0.000012	0.0052	0.000012	20	0.00079	0.00022	0.0013	0.66
-3	April	0.75	0.041	0.10	0.0043	0.033	1.1	0.0018	0.31	0.0001	0.0023	0.000016	0.0051	0.000011	18	0.0008	0.00027	0.0013	0.81
-3	May	0.83	0.03	0.15	0.0034	0.034	1	0.0014	0.42	0.0001	0.0021	0.000017	0.0056	0.00001	15	0.0009	0.00026	0.0015	0.77
-3	June	0.82	0.03	0.097	0.0026	0.033	0.97	0.0023	0.4	0.00014	0.0021	0.000019	0.0078	0.00001	13	0.00085	0.00023	0.0015	0.7
-3	July	0.82	0.036	0.061	0.0031	0.035	0.98	0.0024	0.35	0.00014	0.0024	0.000019	0.0082	0.000009	16	0.00076	0.00024	0.0014	0.68
-3	August	0.76	0.042	0.047	0.0061	0.041	1.0	0.0021	0.32	0.00012	0.0029	0.00002	0.007	0.0000089	20	0.00078	0.00027	0.0014	0.72
-3	September	0.86	0.045	0.038	0.0092	0.043	1.0	0.0022	0.3	0.00015	0.003	0.000019	0.0058	0.0000088	24	0.00083	0.00027	0.0014	0.76
-3	October	0.88	0.047	0.033	0.0095	0.037	1.0	0.002	0.27	0.00021	0.0025	0.000016	0.0054	0.0000077	27	0.0008	0.00023	0.0012	0.71
-3	November	0.72	0.047	0.034	0.0075	0.033	1.0	0.0022	0.27	0.0002	0.0022	0.000013	0.0053	0.0000076	24	0.00078	0.00021	0.0012	0.65
-3	December	0.63	0.045	0.039	0.0059	0.031	1.0	0.0026	0.29	0.00017	0.0021	0.000012	0.0052	0.000009	22	0.00077	0.00021	0.0012	0.64
-2	January	0.61	0.044	0.043	0.0053	0.031	1.0	0.0027	0.31	0.00016	0.0022	0.000012	0.0052	0.000012	21	0.00079	0.00022	0.0012	0.65
-2	February	0.6	0.044	0.045	0.0051	0.031	1.0	0.0027	0.33	0.00015	0.0024	0.000012	0.0052	0.000014	21	0.0008	0.00023	0.0013	0.67
-2	March	0.61	0.044	0.049	0.0048	0.031	1.1	0.0026	0.34	0.00015	0.0025	0.000012	0.0052	0.000016	20	0.00081	0.00023	0.0013	0.68
-2	April	0.75	0.041	0.10	0.0043	0.033	1.1	0.0018	0.32	0.0001	0.0023	0.000016	0.0051	0.000012	18	0.00081	0.00027	0.0013	0.83
-2	May	0.83	0.03	0.15	0.0034	0.034	1.0	0.0014	0.42	0.0001	0.0021	0.000017	0.0056	0.00001	15	0.0009	0.00026	0.0015	0.77
-2	June	0.82	0.031	0.094	0.0026	0.033	0.97	0.0023	0.4	0.00014	0.0021	0.000019	0.0079	0.0000098	13	0.00084	0.00023	0.0015	0.7
-2	July	0.82	0.036	0.059	0.0032	0.036	0.98	0.0024	0.34	0.00013	0.0024	0.000019	0.0082	0.0000088	16	0.00075	0.00024	0.0013	0.68
-2	August	0.76	0.043	0.046	0.0063	0.042	1.0	0.0021	0.32	0.00011	0.0029	0.00002	0.0069	0.0000086	20	0.00077	0.00027	0.0014	0.72

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.86	0.046	0.037	0.0093	0.043	1.0	0.0022	0.3	0.00015	0.003	0.000019	0.0057	0.0000086	24	0.00083	0.00027	0.0014	0.76
-2	October	0.88	0.047	0.032	0.0095	0.037	1.0	0.0019	0.27	0.00022	0.0025	0.000016	0.0054	0.0000076	27	0.0008	0.00023	0.0012	0.71
-2	November	0.73	0.047	0.034	0.0076	0.033	1.0	0.0022	0.27	0.00021	0.0022	0.000013	0.0053	0.0000076	24	0.00078	0.00021	0.0012	0.66
-2	December	0.64	0.045	0.039	0.0061	0.031	1.0	0.0026	0.29	0.00017	0.0021	0.000012	0.0052	0.0000091	22	0.00078	0.00021	0.0012	0.64
-1	January	0.62	0.044	0.041	0.0056	0.031	1.0	0.0027	0.31	0.00016	0.0023	0.000012	0.0052	0.000012	21	0.00079	0.00022	0.0013	0.66
-1	February	0.62	0.044	0.042	0.0055	0.031	1.0	0.0027	0.33	0.00016	0.0024	0.000012	0.0052	0.000015	21	0.00081	0.00023	0.0013	0.67
-1	March	0.62	0.044	0.044	0.0054	0.031	1.0	0.0027	0.35	0.00016	0.0026	0.000013	0.0052	0.000018	21	0.00083	0.00024	0.0014	0.69
-1	April	0.68	0.043	0.071	0.005	0.032	1.0	0.0022	0.36	0.00014	0.0026	0.000014	0.0052	0.000018	20	0.00084	0.00026	0.0014	0.77
-1	May	0.78	0.035	0.12	0.004	0.034	1.0	0.0017	0.41	0.00011	0.0024	0.000016	0.0054	0.000015	17	0.00089	0.00026	0.0015	0.78
-1	June	0.81	0.031	0.11	0.0031	0.033	1.0	0.002	0.42	0.00013	0.0023	0.000018	0.0067	0.000013	15	0.00088	0.00025	0.0015	0.74
-1	July	0.81	0.034	0.089	0.0031	0.034	1.0	0.0022	0.4	0.00013	0.0024	0.000019	0.0075	0.000013	15	0.00084	0.00025	0.0015	0.72
-1	August	0.8	0.042	0.076	0.0046	0.037	1.2	0.0022	0.39	0.00013	0.0027	0.000019	0.0073	0.000013	17	0.00083	0.00027	0.0015	0.74
-1	September	0.83	0.054	0.065	0.0071	0.039	1.5	0.0022	0.37	0.00015	0.0029	0.000019	0.0067	0.000014	19	0.00085	0.00029	0.0015	0.76
-1	October	0.86	0.066	0.055	0.0092	0.039	1.9	0.0022	0.35	0.0002	0.0029	0.000018	0.0062	0.000014	22	0.00085	0.00029	0.0014	0.75
-1	November	0.82	0.08	0.051	0.01	0.037	2.4	0.0023	0.34	0.00023	0.0027	0.000016	0.0059	0.000014	23	0.00083	0.00029	0.0014	0.73
-1	December	0.79	0.1	0.053	0.012	0.036	3.2	0.0025	0.35	0.00025	0.0027	0.000015	0.0058	0.000015	22	0.00084	0.00031	0.0014	0.72
1	January	0.8	0.13	0.057	0.014	0.036	4.4	0.0027	0.36	0.00028	0.0028	0.000015	0.0058	0.000017	22	0.00085	0.00035	0.0014	0.73
1	February	0.81	0.15	0.06	0.015	0.036	5.1	0.0027	0.37	0.00031	0.0029	0.000015	0.0058	0.000018	22	0.00085	0.00038	0.0015	0.73
1	March	0.81	0.17	0.064	0.017	0.037	5.9	0.0028	0.37	0.00033	0.0029	0.000015	0.0058	0.000019	22	0.00086	0.0004	0.0015	0.74
1	April	0.85	0.18	0.087	0.017	0.037	6.3	0.0026	0.36	0.00032	0.0028	0.000016	0.0057	0.000017	21	0.00085	0.00043	0.0014	0.78
1	May	0.87	0.14	0.13	0.013	0.036	4.8	0.0021	0.39	0.00024	0.0024	0.000017	0.0057	0.000014	18	0.00088	0.00038	0.0015	0.78
1	June	0.87	0.12	0.12	0.01	0.035	4.2	0.0022	0.41	0.00023	0.0022	0.000017	0.0066	0.000012	15	0.00088	0.00035	0.0015	0.74
1	July	0.89	0.15	0.11	0.012	0.036	5.2	0.0026	0.39	0.00027	0.0023	0.000018	0.0074	0.000011	16	0.00083	0.00037	0.0015	0.72
1	August	0.89	0.19	0.096	0.016	0.039	6.6	0.0027	0.37	0.00031	0.0026	0.000019	0.0072	0.000011	17	0.00082	0.00042	0.0014	0.72
1	September	0.93	0.21	0.087	0.02	0.041	7.5	0.0028	0.35	0.00035	0.0027	0.000019	0.0068	0.000011	20	0.00083	0.00046	0.0014	0.74
1	October	0.96	0.23	0.076	0.022	0.041	7.9	0.0028	0.32	0.00039	0.0027	0.000018	0.0063	0.00001	23	0.00082	0.00046	0.0014	0.73
1	November	0.93	0.25	0.072	0.024	0.039	8.6	0.0029	0.3	0.00043	0.0025	0.000016	0.006	0.0000095	24	0.00081	0.00047	0.0013	0.7
1	December	0.92	0.3	0.078	0.028	0.039	11	0.0032	0.31	0.00049	0.0025	0.000015	0.006	0.00001	23	0.0008	0.00053	0.0013	0.69
2	January	0.93	0.34	0.084	0.031	0.039	12	0.0034	0.31	0.00054	0.0025	0.000015	0.006	0.000011	23	0.00081	0.00057	0.0013	0.69
2	February	0.92	0.34	0.083	0.03	0.039	12	0.0034	0.32	0.00053	0.0026	0.000015	0.0059	0.000012	23	0.00081	0.00057	0.0013	0.69
2	March	0.97	0.38	0.091	0.034	0.04	15	0.0036	0.33	0.00061	0.0026	0.000015	0.006	0.000014	23	0.00082	0.00065	0.0014	0.7
2	April	1	0.4	0.11	0.034	0.041	17	0.0034	0.33	0.00065	0.0026	0.000015	0.0059	0.000013	22	0.00082	0.00072	0.0014	0.75
2	May	1	0.28	0.14	0.024	0.039	12	0.0026	0.38	0.00049	0.0024	0.000016	0.0059	0.000012	19	0.00087	0.0006	0.0015	0.76
2	June	0.99	0.22	0.14	0.019	0.038	11	0.0026	0.4	0.00044	0.0022	0.000017	0.0068	0.000011	16	0.00087	0.00053	0.0015	0.73
2	July	1	0.27	0.12	0.022	0.039	13	0.003	0.38	0.00052	0.0024	0.000018	0.0076	0.000011	16	0.00083	0.00061	0.0015	0.71
2	August	1.1	0.34	0.11	0.028	0.043	17	0.0032	0.36	0.00063	0.0026	0.000019	0.0076	0.000011	19	0.00082	0.00072	0.0015	0.71
2	September	1.1	0.38	0.11	0.033	0.046	19	0.0034	0.34	0.00071	0.0028	0.000019	0.0071	0.000011	21	0.00083	0.00079	0.0015	0.73
2	October	1.2	0.39	0.096	0.035	0.046	19	0.0034	0.32	0.00076	0.0027	0.000017	0.0067	0.00001	24	0.00082	0.00079	0.0014	0.72
2	November	1.2	0.41	0.093	0.037	0.044	21	0.0035	0.3	0.00081	0.0026	0.000016	0.0064	0.0000098	25	0.00081	0.00082	0.0013	0.69
2	December	1.2	0.51	0.1	0.044	0.045	26	0.004	0.3	0.00096	0.0026	0.000015	0.0065	0.00001	25	0.00081	0.00096	0.0013	0.68
3	January	1.3	0.57	0.11	0.049	0.046	29	0.0043	0.31	0.0011	0.0026	0.000015	0.0065	0.000012	25	0.00081	0.0011	0.0013	0.68
3	February	1.2	0.56	0.11	0.048	0.046	28	0.0042	0.32	0.001	0.0027	0.000015	0.0065	0.000013	25	0.00082	0.001	0.0014	0.69
3	March	1.3	0.63	0.12	0.053	0.047	32	0.0045	0.33	0.0012	0.0027	0.000015	0.0066	0.000014	25	0.00082	0.0012	0.0014	0.69
3	April	1.3	0.64	0.14	0.054	0.047	33	0.0043	0.32	0.0012	0.0027	0.000015	0.0064	0.000014	24	0.00082	0.0012	0.0014	0.74
3	May	1.2	0.43	0.16	0.036	0.043	22	0.0032	0.38	0.00078	0.0024	0.000016	0.0062	0.000012	20	0.00087	0.00087	0.0015	0.76
3	June	1.1	0.33	0.15	0.028	0.04	17	0.003	0.4	0.00063	0.0023	0.000017	0.007	0.000011	17	0.00087	0.00072	0.0015	0.73
3	July	1.2	0.4	0.14	0.033	0.042	20	0.0035	0.38	0.00074	0.0024	0.000018	0.0078	0.000011	17	0.00083	0.00081	0.0015	0.71
3	August	1.2	0.49	0.13	0.041	0.046	25	0.0038	0.36	0.00088	0.0027	0.000018	0.0078	0.000011	19	0.00082	0.00095	0.0015	0.71
3	September	1.3	0.54	0.13	0.047	0.05	28	0.004	0.34	0.00098	0.0028	0.000019	0.0074	0.000011	22	0.00083	0.001	0.0015	0.73
3	October	1.3	0.55	0.12	0.048	0.049	28	0.004	0.32	0.001	0.0028	0.000017	0.0069	0.00001	25	0.00083	0.001	0.0014	0.72
3	November	1.3	0.58	0.11	0.051	0.048	29	0.0041	0.3	0.0011	0.0026	0.000016	0.0067	0.00001	26	0.00081	0.0011	0.0013	0.69
3	December	1.4	0.71	0.13	0.06	0.049	36	0.0048	0.3	0.0013	0.0026	0.000015	0.0068	0.000011	26	0.00081	0.0013	0.0013	0.67
4	January	1.5	0.79	0.14	0.067	0.051	40	0.0051	0.31	0.0014	0.0027	0.000014	0.0069	0.000012	26	0.00082	0.0014	0.0014	0.67
4	February	1.5	0.78	0.14	0.066	0.05	40	0.0051	0.32	0.0014	0.0027	0.000014	0.0068	0.000013	26	0.00082	0.0014	0.0014	0.68
4	March	1.4	0.75	0.14	0.063	0.049	38	0.005	0.32	0.0013	0.0028	0.000015	0.0068	0.000014	26	0.00083	0.0013	0.0014	0.69
4	April	1.4	0.68	0.15	0.057	0.048	34	0.0044	0.32	0.0012	0.0027	0.000015	0.0065	0.000014	24	0.00083	0.0012	0.0014	0.74

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	1.3	0.49	0.17	0.041	0.044	24	0.0034	0.37	0.00084	0.0024	0.000016	0.0063	0.000012	20	0.00087	0.00092	0.0015	0.76
4	June	1.2	0.41	0.16	0.034	0.042	20	0.0033	0.4	0.0007	0.0023	0.000017	0.0072	0.000011	17	0.00088	0.00077	0.0015	0.73
4	July	1.3	0.5	0.15	0.041	0.044	24	0.0039	0.38	0.00084	0.0024	0.000018	0.008	0.000011	17	0.00083	0.00089	0.0015	0.7
4	August	1.4	0.62	0.15	0.052	0.049	30	0.0043	0.36	0.001	0.0027	0.000018	0.008	0.000011	20	0.00082	0.0011	0.0015	0.71
4	September	1.5	0.7	0.15	0.059	0.053	33	0.0046	0.34	0.0011	0.0029	0.000019	0.0077	0.000011	23	0.00083	0.0011	0.0015	0.72
4	October	1.5	0.71	0.14	0.061	0.052	34	0.0046	0.31	0.0012	0.0028	0.000017	0.0072	0.00001	25	0.00083	0.0011	0.0014	0.71
4	November	1.5	0.74	0.13	0.064	0.051	35	0.0047	0.3	0.0012	0.0027	0.000015	0.007	0.0000099	26	0.00081	0.0012	0.0013	0.68
4	December	1.4	0.75	0.13	0.064	0.05	36	0.0049	0.3	0.0012	0.0026	0.000015	0.0069	0.00001	26	0.00081	0.0012	0.0013	0.67
5	January	1.4	0.71	0.13	0.06	0.049	34	0.0048	0.31	0.0012	0.0027	0.000014	0.0068	0.000012	25	0.00081	0.0011	0.0013	0.68
5	February	1.4	0.69	0.13	0.059	0.049	33	0.0048	0.32	0.0011	0.0027	0.000015	0.0067	0.000013	25	0.00082	0.0011	0.0014	0.68
5	March	1.3	0.67	0.13	0.057	0.048	32	0.0047	0.32	0.0011	0.0028	0.000015	0.0067	0.000014	25	0.00083	0.0011	0.0014	0.69
5	April	1.3	0.65	0.15	0.055	0.047	31	0.0043	0.32	0.001	0.0027	0.000015	0.0065	0.000013	23	0.00083	0.0011	0.0014	0.74
5	May	1.3	0.52	0.17	0.044	0.045	24	0.0035	0.37	0.00083	0.0024	0.000016	0.0063	0.000012	20	0.00087	0.0009	0.0015	0.76
5	June	1.2	0.47	0.17	0.039	0.043	22	0.0035	0.4	0.00076	0.0023	0.000017	0.0073	0.000011	17	0.00088	0.00082	0.0015	0.72
5	July	1.3	0.6	0.16	0.049	0.046	28	0.0043	0.38	0.00094	0.0025	0.000018	0.0082	0.000011	18	0.00083	0.00098	0.0015	0.7
5	August	1.5	0.75	0.17	0.062	0.052	35	0.0048	0.36	0.0011	0.0027	0.000018	0.0082	0.000011	20	0.00082	0.0012	0.0015	0.7
5	September	1.6	0.84	0.16	0.071	0.055	39	0.0052	0.34	0.0013	0.0029	0.000019	0.0079	0.000011	23	0.00083	0.0013	0.0015	0.72
5	October	1.6	0.86	0.15	0.073	0.055	39	0.0051	0.31	0.0013	0.0029	0.000017	0.0074	0.00001	26	0.00083	0.0013	0.0014	0.71
5	November	1.6	0.9	0.15	0.076	0.054	41	0.0053	0.3	0.0014	0.0027	0.000015	0.0072	0.0000098	27	0.00081	0.0013	0.0013	0.68
5	December	1.6	0.91	0.15	0.077	0.053	42	0.0055	0.3	0.0014	0.0027	0.000014	0.0071	0.00001	26	0.00081	0.0014	0.0013	0.67
6	January	1.5	0.86	0.15	0.073	0.051	39	0.0054	0.31	0.0013	0.0027	0.000014	0.007	0.000011	26	0.00081	0.0013	0.0014	0.67
6	February	1.5	0.84	0.15	0.071	0.051	38	0.0053	0.31	0.0013	0.0028	0.000014	0.0069	0.000013	25	0.00082	0.0013	0.0014	0.68
6	March	1.5	0.81	0.14	0.068	0.05	37	0.0052	0.32	0.0013	0.0028	0.000015	0.0069	0.000014	25	0.00083	0.0012	0.0014	0.69
6	April	1.5	0.78	0.16	0.065	0.049	36	0.0048	0.32	0.0012	0.0027	0.000015	0.0067	0.000013	24	0.00082	0.0012	0.0014	0.74
6	May	1.4	0.63	0.19	0.052	0.046	28	0.0039	0.37	0.00094	0.0025	0.000016	0.0065	0.000012	20	0.00087	0.001	0.0015	0.75
6	June	1.3	0.56	0.18	0.046	0.044	25	0.0039	0.4	0.00086	0.0023	0.000017	0.0074	0.000011	17	0.00088	0.00091	0.0015	0.72
6	July	1.4	0.71	0.18	0.058	0.048	32	0.0047	0.37	0.0011	0.0025	0.000018	0.0083	0.000011	18	0.00083	0.0011	0.0015	0.7
6	August	1.6	0.89	0.18	0.073	0.054	40	0.0053	0.35	0.0013	0.0028	0.000018	0.0084	0.000011	21	0.00082	0.0013	0.0015	0.7
6	September	1.7	1	0.18	0.083	0.058	45	0.0057	0.33	0.0015	0.003	0.000018	0.0081	0.000011	24	0.00083	0.0015	0.0015	0.71
6	October	1.7	1	0.17	0.085	0.057	45	0.0057	0.31	0.0015	0.0029	0.000017	0.0076	0.00001	26	0.00083	0.0015	0.0014	0.7
6	November	1.7	1.1	0.17	0.089	0.056	47	0.0059	0.29	0.0016	0.0028	0.000015	0.0074	0.0000098	27	0.00081	0.0015	0.0014	0.68
6	December	1.7	1.1	0.17	0.09	0.055	48	0.0061	0.29	0.0016	0.0027	0.000014	0.0073	0.00001	27	0.00081	0.0015	0.0013	0.66
7	January	1.6	1	0.17	0.085	0.054	45	0.006	0.3	0.0015	0.0027	0.000014	0.0072	0.000011	26	0.00081	0.0014	0.0014	0.67
7	February	1.6	0.99	0.16	0.083	0.053	44	0.0059	0.31	0.0015	0.0028	0.000014	0.0071	0.000013	26	0.00082	0.0014	0.0014	0.67
7	March	1.6	0.95	0.16	0.079	0.052	42	0.0057	0.32	0.0014	0.0028	0.000014	0.0071	0.000014	26	0.00083	0.0014	0.0014	0.68
7	April	1.6	0.91	0.18	0.076	0.052	40	0.0053	0.32	0.0013	0.0028	0.000015	0.0069	0.000013	24	0.00083	0.0013	0.0014	0.73
7	May	1.4	0.73	0.2	0.06	0.048	32	0.0043	0.37	0.0011	0.0025	0.000016	0.0066	0.000012	21	0.00087	0.0011	0.0015	0.75
7	June	1.4	0.65	0.19	0.053	0.046	28	0.0042	0.4	0.00095	0.0023	0.000017	0.0075	0.000011	18	0.00088	0.00099	0.0015	0.72
7	July	1.5	0.82	0.19	0.067	0.049	36	0.0051	0.37	0.0012	0.0025	0.000018	0.0085	0.000011	19	0.00083	0.0012	0.0015	0.7
7	August	1.7	1	0.2	0.085	0.056	45	0.0059	0.35	0.0014	0.0028	0.000018	0.0086	0.000011	21	0.00082	0.0015	0.0015	0.7
7	September	1.8	1.2	0.2	0.096	0.06	50	0.0063	0.33	0.0016	0.003	0.000018	0.0083	0.000011	24	0.00083	0.0016	0.0015	0.71
7	October	1.8	1.2	0.19	0.098	0.059	50	0.0063	0.31	0.0016	0.0029	0.000017	0.0078	0.00001	27	0.00083	0.0016	0.0014	0.7
7	November	1.8	1.2	0.19	0.1	0.058	52	0.0065	0.29	0.0017	0.0028	0.000015	0.0076	0.0000096	28	0.00081	0.0016	0.0014	0.67
7	December	1.8	1.2	0.19	0.1	0.057	53	0.0067	0.29	0.0017	0.0027	0.000014	0.0075	0.00001	27	0.00081	0.0017	0.0014	0.66
8	January	1.7	1.2	0.19	0.097	0.056	50	0.0065	0.3	0.0016	0.0027	0.000014	0.0074	0.000011	27	0.00081	0.0016	0.0014	0.66
8	February	1.7	1.1	0.18	0.094	0.055	49	0.0064	0.31	0.0016	0.0028	0.000014	0.0073	0.000013	26	0.00082	0.0015	0.0014	0.67
8	March	1.7	1.1	0.18	0.091	0.054	47	0.0062	0.32	0.0015	0.0028	0.000014	0.0072	0.000014	26	0.00083	0.0015	0.0014	0.68
8	April	1.6	1	0.2	0.087	0.053	45	0.0058	0.32	0.0015	0.0028	0.000015	0.007	0.000013	25	0.00083	0.0015	0.0014	0.73
8	May	1.5	0.83	0.21	0.069	0.049	35	0.0047	0.37	0.0012	0.0025	0.000016	0.0067	0.000012	21	0.00087	0.0012	0.0015	0.75
8	June	1.4	0.74	0.2	0.06	0.047	31	0.0046	0.39	0.001	0.0024	0.000017	0.0076	0.000011	18	0.00088	0.0011	0.0015	0.72
8	July	1.6	0.93	0.2	0.076	0.051	39	0.0055	0.37	0.0013	0.0025	0.000018	0.0086	0.000011	19	0.00083	0.0013	0.0015	0.69
8	August	1.8	1.2	0.22	0.096	0.058	49	0.0064	0.35	0.0016	0.0028	0.000018	0.0088	0.000011	22	0.00082	0.0016	0.0015	0.69
8	September	1.9	1.3	0.22	0.11	0.062	55	0.0069	0.33	0.0018	0.003	0.000018	0.0085	0.000011	25	0.00083	0.0017	0.0015	0.71
8	October	1.9	1.3	0.21	0.11	0.062	55	0.0069	0.31	0.0018	0.003	0.000017	0.008	0.00001	27	0.00083	0.0017	0.0014	0.7
8	November	1.9	1.4	0.21	0.11	0.061	57	0.0071	0.29	0.0019	0.0028	0.000015	0.0078	0.0000097	28	0.00081	0.0018	0.0014	0.67
8	December	1.9	1.4	0.21	0.12	0.06	58	0.0073	0.29	0.0019	0.0028	0.000014	0.0077	0.00001	28	0.00081	0.0018	0.0014	0.66

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	1.8	1.3	0.2	0.11	0.058	55	0.0071	0.3	0.0018	0.0028	0.000014	0.0076	0.000011	27	0.00081	0.0017	0.0014	0.66
9	February	1.8	1.3	0.2	0.11	0.057	54	0.007	0.31	0.0018	0.0028	0.000014	0.0075	0.000013	27	0.00082	0.0017	0.0014	0.67
9	March	1.8	1.2	0.2	0.1	0.056	51	0.0068	0.32	0.0017	0.0029	0.000014	0.0074	0.000014	26	0.00083	0.0016	0.0014	0.67
9	April	1.7	1.2	0.21	0.097	0.055	49	0.0063	0.32	0.0016	0.0028	0.000015	0.0072	0.000013	25	0.00083	0.0016	0.0014	0.73
9	May	1.6	0.91	0.22	0.075	0.051	38	0.005	0.37	0.0012	0.0025	0.000016	0.0069	0.000012	21	0.00087	0.0013	0.0015	0.75
9	June	1.5	0.8	0.21	0.065	0.048	33	0.0048	0.39	0.0011	0.0024	0.000017	0.0077	0.000011	18	0.00088	0.0011	0.0015	0.71
9	July	1.6	1	0.21	0.081	0.052	41	0.0058	0.37	0.0013	0.0025	0.000018	0.0087	0.000011	19	0.00083	0.0013	0.0015	0.69
9	August	1.8	1.2	0.23	0.1	0.059	51	0.0066	0.35	0.0016	0.0028	0.000018	0.0089	0.000011	22	0.00082	0.0016	0.0015	0.69
9	September	2	1.4	0.23	0.11	0.063	56	0.0071	0.33	0.0018	0.003	0.000018	0.0086	0.000011	25	0.00083	0.0018	0.0015	0.7
9	October	2	1.4	0.22	0.11	0.062	56	0.0071	0.3	0.0018	0.003	0.000017	0.0081	0.00001	27	0.00083	0.0018	0.0014	0.69
9	November	2	1.4	0.22	0.12	0.061	58	0.0073	0.29	0.0019	0.0028	0.000015	0.0079	0.0000097	28	0.00081	0.0018	0.0014	0.67
9	December	1.9	1.4	0.22	0.12	0.06	59	0.0075	0.29	0.0019	0.0028	0.000014	0.0078	0.00001	28	0.00081	0.0018	0.0014	0.65
10	January	1.9	1.3	0.21	0.11	0.058	55	0.0072	0.3	0.0018	0.0028	0.000014	0.0076	0.000011	27	0.00081	0.0017	0.0014	0.66
10	February	1.8	1.3	0.21	0.11	0.058	54	0.0071	0.31	0.0018	0.0028	0.000014	0.0076	0.000013	27	0.00082	0.0017	0.0014	0.67
10	March	1.8	1.3	0.2	0.1	0.056	52	0.0069	0.32	0.0017	0.0029	0.000014	0.0075	0.000014	26	0.00083	0.0016	0.0014	0.67
10	April	1.8	1.2	0.21	0.099	0.055	49	0.0064	0.32	0.0016	0.0028	0.000015	0.0072	0.000013	25	0.00083	0.0016	0.0014	0.73
10	May	1.6	0.92	0.22	0.076	0.051	38	0.005	0.37	0.0012	0.0025	0.000016	0.0069	0.000012	21	0.00087	0.0013	0.0015	0.75
10	June	1.5	0.8	0.21	0.066	0.048	33	0.0048	0.39	0.0011	0.0024	0.000017	0.0077	0.000011	18	0.00088	0.0011	0.0015	0.71
10	July	1.7	1	0.21	0.081	0.052	41	0.0058	0.37	0.0013	0.0025	0.000018	0.0087	0.000011	19	0.00083	0.0013	0.0015	0.69
10	August	1.8	1.2	0.23	0.1	0.059	51	0.0067	0.35	0.0016	0.0028	0.000018	0.0089	0.000011	22	0.00082	0.0016	0.0015	0.69
10	September	2	1.4	0.23	0.11	0.063	56	0.0071	0.33	0.0018	0.003	0.000018	0.0086	0.000011	25	0.00083	0.0018	0.0015	0.7
10	October	2	1.4	0.22	0.11	0.062	56	0.0071	0.3	0.0018	0.003	0.000017	0.0081	0.00001	27	0.00083	0.0017	0.0014	0.69
10	November	2	1.4	0.22	0.12	0.061	58	0.0073	0.29	0.0019	0.0028	0.000015	0.0079	0.0000097	28	0.00081	0.0018	0.0014	0.67
10	December	2	1.4	0.22	0.12	0.06	58	0.0075	0.29	0.0019	0.0028	0.000014	0.0078	0.00001	28	0.00081	0.0018	0.0014	0.65
11	January	1.9	1.3	0.21	0.11	0.058	55	0.0072	0.3	0.0018	0.0028	0.000014	0.0076	0.000011	27	0.00082	0.0017	0.0014	0.66
11	February	1.8	1.3	0.21	0.11	0.057	54	0.0071	0.31	0.0018	0.0028	0.000014	0.0076	0.000013	27	0.00082	0.0017	0.0014	0.67
11	March	1.8	1.3	0.2	0.1	0.056	51	0.0069	0.32	0.0017	0.0029	0.000014	0.0075	0.000014	26	0.00083	0.0016	0.0014	0.67
11	April	1.8	1.2	0.21	0.099	0.055	49	0.0064	0.32	0.0016	0.0028	0.000015	0.0072	0.000013	25	0.00083	0.0016	0.0014	0.73
11	May	1.6	0.92	0.22	0.076	0.05	38	0.005	0.37	0.0012	0.0025	0.000016	0.0069	0.000012	21	0.00087	0.0013	0.0015	0.75
11	June	1.5	0.8	0.21	0.066	0.048	33	0.0048	0.39	0.0011	0.0024	0.000017	0.0077	0.000011	18	0.00088	0.0011	0.0015	0.71
11	July	1.7	1	0.21	0.081	0.052	41	0.0058	0.37	0.0013	0.0025	0.000018	0.0087	0.000011	19	0.00083	0.0013	0.0015	0.69
11	August	1.8	1.2	0.23	0.1	0.058	51	0.0067	0.35	0.0016	0.0028	0.000018	0.0089	0.000011	22	0.00082	0.0016	0.0015	0.69
11	September	2	1.4	0.23	0.11	0.063	56	0.0071	0.33	0.0018	0.003	0.000018	0.0086	0.000011	25	0.00084	0.0018	0.0015	0.7
11	October	2	1.4	0.22	0.11	0.062	56	0.0071	0.3	0.0018	0.003	0.000017	0.0081	0.00001	27	0.00083	0.0017	0.0014	0.69
11	November	2	1.4	0.22	0.12	0.061	57	0.0073	0.29	0.0019	0.0028	0.000015	0.0079	0.0000097	28	0.00082	0.0018	0.0014	0.67
11	December	1.9	1.4	0.22	0.12	0.06	58	0.0075	0.29	0.0019	0.0028	0.000014	0.0078	0.00001	28	0.00081	0.0018	0.0014	0.65
12	January	1.9	1.3	0.21	0.11	0.058	55	0.0072	0.3	0.0018	0.0028	0.000014	0.0076	0.000011	27	0.00082	0.0017	0.0014	0.66
12	February	1.8	1.3	0.21	0.11	0.057	53	0.0071	0.31	0.0017	0.0028	0.000014	0.0076	0.000013	27	0.00082	0.0017	0.0014	0.67
12	March	1.8	1.3	0.2	0.1	0.056	51	0.0069	0.32	0.0017	0.0029	0.000014	0.0075	0.000014	26	0.00083	0.0016	0.0014	0.67
12	April	1.8	1.2	0.21	0.099	0.055	48	0.0064	0.32	0.0016	0.0028	0.000015	0.0072	0.000013	25	0.00083	0.0016	0.0014	0.73
12	May	1.6	0.92	0.22	0.076	0.05	38	0.005	0.37	0.0012	0.0025	0.000016	0.0069	0.000012	21	0.00087	0.0013	0.0015	0.75
12	June	1.5	0.8	0.21	0.066	0.048	33	0.0048	0.39	0.0011	0.0024	0.000017	0.0077	0.000011	18	0.00088	0.0011	0.0015	0.71
12	July	1.7	1	0.21	0.081	0.052	41	0.0058	0.37	0.0013	0.0025	0.000018	0.0087	0.000011	19	0.00083	0.0013	0.0015	0.69
12	August	1.8	1.2	0.23	0.1	0.058	51	0.0067	0.35	0.0016	0.0028	0.000018	0.0089	0.000011	22	0.00082	0.0016	0.0015	0.69
12	September	2	1.4	0.23	0.11	0.063	56	0.0071	0.33	0.0018	0.003	0.000018	0.0086	0.000011	25	0.00084	0.0018	0.0015	0.7
12	October	2	1.4	0.22	0.11	0.062	56	0.0071	0.3	0.0018	0.003	0.000017	0.0081	0.00001	27	0.00083	0.0017	0.0014	0.69
12	November	2	1.4	0.22	0.12	0.061	57	0.0073	0.29	0.0019	0.0028	0.000015	0.0079	0.0000097	28	0.00082	0.0018	0.0014	0.67
12	December	2	1.4	0.22	0.12	0.06	58	0.0075	0.29	0.0019	0.0028	0.000014	0.0078	0.00001	27	0.00081	0.0018	0.0014	0.65
13	January	1.9	1.3	0.21	0.11	0.058	54	0.0072	0.3	0.0018	0.0028	0.000014	0.0077	0.000011	27	0.00082	0.0017	0.0014	0.66
13	February	1.8	1.3	0.21	0.11	0.057	53	0.0071	0.31	0.0017	0.0028	0.000014	0.0076	0.000013	27	0.00082	0.0017	0.0014	0.67
13	March	1.8	1.3	0.2	0.1	0.056	51	0.0069	0.32	0.0017	0.0029	0.000014	0.0075	0.000014	26	0.00083	0.0016	0.0014	0.67
13	April	1.8	1.2	0.21	0.099	0.055	48	0.0064	0.32	0.0016	0.0028	0.000015	0.0073	0.000013	25	0.00083	0.0016	0.0014	0.73
13	May	1.6	0.92	0.22	0.076	0.05	37	0.005	0.37	0.0012	0.0025	0.000016	0.0069	0.000012	21	0.00087	0.0013	0.0015	0.75
13	June	1.5	0.8	0.21	0.066	0.048	33	0.0048	0.39	0.0011	0.0024	0.000017	0.0077	0.000011	18	0.00088	0.0011	0.0015	0.71
13	July	1.7	1	0.21	0.081	0.052	41	0.0058	0.37	0.0013	0.0025	0.000018	0.0087	0.000011	19	0.00084	0.0013	0.0015	0.69
13	August	1.8	1.2	0.23	0.1	0.058	50	0.0067	0.35	0.0016	0.0028	0.000018	0.0089	0.000011	22	0.00082	0.0016	0.0015	0.69

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	2	1.4	0.23	0.11	0.063	55	0.0071	0.33	0.0018	0.003	0.000018	0.0086	0.000011	25	0.00084	0.0018	0.0015	0.7
13	October	2	1.4	0.22	0.11	0.062	55	0.0071	0.3	0.0018	0.003	0.000017	0.0081	0.00001	27	0.00083	0.0017	0.0014	0.69
13	November	2	1.4	0.22	0.12	0.06	57	0.0073	0.29	0.0019	0.0028	0.000015	0.0079	0.0000097	28	0.00082	0.0018	0.0014	0.67
13	December	1.9	1.4	0.22	0.12	0.06	58	0.0075	0.29	0.0019	0.0028	0.000014	0.0078	0.00001	27	0.00081	0.0018	0.0014	0.65
14	January	1.9	1.3	0.21	0.11	0.058	54	0.0072	0.3	0.0018	0.0028	0.000014	0.0077	0.000011	27	0.00082	0.0017	0.0014	0.66
14	February	1.8	1.3	0.21	0.11	0.057	53	0.0071	0.31	0.0017	0.0028	0.000014	0.0076	0.000013	27	0.00082	0.0017	0.0014	0.67
14	March	1.8	1.3	0.2	0.1	0.056	51	0.0069	0.32	0.0017	0.0029	0.000014	0.0075	0.000014	26	0.00083	0.0016	0.0014	0.67
14	April	1.7	1.2	0.21	0.099	0.054	46	0.0064	0.32	0.0015	0.0028	0.000015	0.0072	0.000013	25	0.00083	0.0015	0.0014	0.73
14	May	1.5	0.92	0.22	0.076	0.049	34	0.005	0.37	0.0011	0.0025	0.000016	0.0068	0.000012	21	0.00087	0.0011	0.0015	0.75
14	June	1.4	0.8	0.21	0.066	0.045	28	0.0048	0.39	0.00093	0.0023	0.000017	0.0076	0.000011	18	0.00088	0.00098	0.0015	0.71
14	July	1.5	1	0.21	0.081	0.049	34	0.0058	0.37	0.0011	0.0025	0.000018	0.0085	0.000011	18	0.00083	0.0011	0.0015	0.69
14	August	1.7	1.2	0.23	0.1	0.054	42	0.0067	0.35	0.0013	0.0028	0.000018	0.0087	0.000011	21	0.00082	0.0014	0.0015	0.69
14	September	1.8	1.4	0.23	0.11	0.058	46	0.0071	0.33	0.0015	0.003	0.000018	0.0083	0.00001	24	0.00083	0.0015	0.0015	0.7
14	October	1.8	1.4	0.22	0.11	0.057	46	0.0071	0.3	0.0015	0.0029	0.000017	0.0079	0.0000099	26	0.00083	0.0015	0.0014	0.69
14	November	1.8	1.4	0.22	0.12	0.056	47	0.0073	0.29	0.0016	0.0027	0.000015	0.0076	0.0000096	27	0.00081	0.0015	0.0014	0.67
14	December	1.7	1.4	0.22	0.12	0.055	47	0.0075	0.29	0.0016	0.0027	0.000014	0.0075	0.00001	26	0.00081	0.0015	0.0014	0.65
15	January	1.7	1.3	0.21	0.11	0.053	45	0.0072	0.3	0.0015	0.0027	0.000014	0.0074	0.000011	26	0.00081	0.0014	0.0014	0.66
15	February	1.6	1.3	0.21	0.11	0.053	44	0.0071	0.31	0.0014	0.0028	0.000014	0.0073	0.000012	26	0.00082	0.0014	0.0014	0.67
15	March	1.6	1.3	0.2	0.1	0.052	42	0.0069	0.32	0.0014	0.0028	0.000014	0.0072	0.000014	25	0.00083	0.0013	0.0014	0.67
15	April	1.6	1.2	0.21	0.099	0.051	39	0.0064	0.32	0.0013	0.0027	0.000015	0.007	0.000013	24	0.00083	0.0013	0.0014	0.73
15	May	1.4	0.92	0.22	0.076	0.047	30	0.005	0.37	0.00099	0.0025	0.000016	0.0067	0.000012	20	0.00087	0.001	0.0015	0.75
15	June	1.4	0.8	0.21	0.066	0.045	26	0.0048	0.39	0.00088	0.0023	0.000017	0.0076	0.000011	17	0.00087	0.00092	0.0015	0.71
15	July	1.5	1	0.21	0.081	0.048	33	0.0058	0.37	0.0011	0.0025	0.000018	0.0085	0.000011	18	0.00083	0.0011	0.0015	0.69
15	August	1.7	1.2	0.23	0.1	0.054	40	0.0067	0.35	0.0013	0.0028	0.000018	0.0087	0.000011	20	0.00082	0.0013	0.0015	0.69
15	September	1.8	1.4	0.23	0.11	0.058	45	0.0071	0.33	0.0014	0.003	0.000018	0.0083	0.00001	23	0.00083	0.0014	0.0015	0.7
15	October	1.8	1.4	0.22	0.11	0.057	44	0.0071	0.3	0.0014	0.0029	0.000017	0.0079	0.0000099	26	0.00083	0.0014	0.0014	0.69
15	November	1.8	1.4	0.22	0.12	0.056	46	0.0073	0.29	0.0015	0.0027	0.000015	0.0076	0.0000096	27	0.00081	0.0014	0.0014	0.67
15	December	1.7	1.4	0.22	0.12	0.055	46	0.0075	0.29	0.0015	0.0027	0.000014	0.0075	0.00001	26	0.00081	0.0014	0.0014	0.65
16	January	1.7	1.3	0.21	0.11	0.054	44	0.0072	0.3	0.0014	0.0027	0.000014	0.0074	0.000011	26	0.00081	0.0014	0.0014	0.66
16	February	1.7	1.3	0.21	0.11	0.053	43	0.0071	0.31	0.0014	0.0028	0.000014	0.0074	0.000012	26	0.00082	0.0013	0.0014	0.67
16	March	1.6	1.3	0.2	0.11	0.052	42	0.007	0.32	0.0014	0.0028	0.000014	0.0073	0.000014	25	0.00083	0.0013	0.0014	0.67
16	April	1.6	1.3	0.22	0.1	0.052	41	0.0067	0.31	0.0013	0.0028	0.000015	0.0071	0.000013	24	0.00082	0.0013	0.0014	0.71
16	May	1.5	1.1	0.24	0.086	0.049	34	0.0057	0.35	0.0011	0.0025	0.000015	0.0068	0.000012	21	0.00085	0.0011	0.0015	0.72
16	June	1.5	1	0.23	0.077	0.046	30	0.0054	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00085	0.001	0.0015	0.69
16	July	1.6	1.2	0.24	0.092	0.049	36	0.0064	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.00081	0.0012	0.0014	0.66
16	August	1.8	1.5	0.26	0.11	0.054	44	0.0073	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00079	0.0014	0.0014	0.65
16	September	1.9	1.7	0.26	0.12	0.058	48	0.0079	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.66
16	October	1.9	1.7	0.25	0.13	0.057	49	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.65
16	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0017	0.0027	0.000014	0.0077	0.0000098	26	0.00077	0.0015	0.0013	0.62
16	December	1.9	1.8	0.26	0.13	0.056	51	0.0083	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00077	0.0015	0.0013	0.61
17	January	1.8	1.7	0.25	0.13	0.054	49	0.0081	0.29	0.0016	0.0027	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
17	February	1.8	1.6	0.24	0.12	0.054	48	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0015	0.0013	0.63
17	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.64
17	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.31	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
17	May	1.6	1.2	0.25	0.092	0.049	36	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
17	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
17	July	1.6	1.3	0.24	0.094	0.049	37	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
17	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0084	0.000011	20	0.00078	0.0014	0.0014	0.65
17	September	1.9	1.7	0.27	0.13	0.058	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
17	October	1.9	1.7	0.26	0.13	0.057	49	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.64
17	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0017	0.0027	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
17	December	1.9	1.8	0.26	0.13	0.055	51	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
18	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0027	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
18	February	1.8	1.6	0.24	0.12	0.054	48	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0015	0.0013	0.63
18	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
18	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	1.6	1.2	0.25	0.092	0.049	35	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
18	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
18	July	1.6	1.3	0.24	0.094	0.049	37	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
18	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0084	0.000011	20	0.00078	0.0014	0.0014	0.65
18	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
18	October	1.9	1.7	0.26	0.13	0.057	48	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.64
18	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0017	0.0026	0.000014	0.0077	0.0000098	25	0.00077	0.0015	0.0013	0.62
18	December	1.9	1.8	0.26	0.13	0.055	50	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
19	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
19	February	1.8	1.6	0.24	0.12	0.054	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0014	0.0013	0.63
19	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
19	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.31	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
19	May	1.6	1.2	0.25	0.092	0.049	35	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
19	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
19	July	1.6	1.3	0.24	0.094	0.049	37	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
19	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0014	0.0014	0.65
19	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
19	October	1.9	1.7	0.26	0.13	0.057	49	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.64
19	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0017	0.0026	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
19	December	1.9	1.8	0.26	0.13	0.055	51	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
20	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0027	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
20	February	1.8	1.6	0.24	0.12	0.054	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0015	0.0013	0.63
20	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
20	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
20	May	1.6	1.2	0.25	0.092	0.049	35	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
20	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
20	July	1.6	1.3	0.24	0.094	0.049	36	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
20	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0014	0.0014	0.65
20	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
20	October	1.9	1.7	0.26	0.13	0.057	48	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.64
20	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0016	0.0026	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
20	December	1.9	1.8	0.26	0.13	0.055	50	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
21	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
21	February	1.8	1.6	0.24	0.12	0.054	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0014	0.0013	0.63
21	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
21	April	1.7	1.5	0.25	0.11	0.052	43	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
21	May	1.6	1.2	0.25	0.092	0.048	35	0.006	0.35	0.0011	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0011	0.0014	0.71
21	June	1.5	1.1	0.23	0.079	0.046	30	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
21	July	1.6	1.3	0.24	0.094	0.048	36	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
21	August	1.8	1.5	0.26	0.11	0.053	43	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0013	0.0014	0.65
21	September	1.9	1.7	0.27	0.13	0.057	47	0.008	0.31	0.0015	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
21	October	1.9	1.7	0.26	0.13	0.056	47	0.0079	0.29	0.0016	0.0028	0.000016	0.0078	0.00001	25	0.00078	0.0015	0.0014	0.64
21	November	1.9	1.7	0.26	0.13	0.055	49	0.0082	0.28	0.0016	0.0026	0.000014	0.0077	0.0000098	25	0.00077	0.0015	0.0013	0.62
21	December	1.9	1.8	0.26	0.13	0.055	49	0.0084	0.28	0.0016	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
22	January	1.8	1.7	0.25	0.13	0.053	47	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0014	0.0013	0.62
22	February	1.8	1.6	0.24	0.12	0.053	46	0.008	0.3	0.0015	0.0027	0.000014	0.0074	0.000013	24	0.00078	0.0014	0.0013	0.63
22	March	1.8	1.6	0.24	0.12	0.052	45	0.0078	0.31	0.0015	0.0027	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
22	April	1.7	1.5	0.25	0.11	0.052	43	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0013	0.0014	0.68
22	May	1.6	1.2	0.25	0.092	0.048	35	0.006	0.35	0.0011	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0011	0.0014	0.71
22	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
22	July	1.6	1.3	0.24	0.094	0.049	36	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
22	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0014	0.0014	0.65
22	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
22	October	1.9	1.7	0.26	0.13	0.057	48	0.0079	0.29	0.0016	0.0028	0.000016	0.0079	0.00001	25	0.00078	0.0015	0.0014	0.64
22	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0016	0.0026	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
22	December	1.9	1.8	0.26	0.13	0.055	50	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
23	February	1.8	1.6	0.24	0.12	0.054	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0014	0.0013	0.63
23	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
23	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.31	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
23	May	1.6	1.2	0.25	0.092	0.049	35	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
23	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
23	July	1.6	1.3	0.24	0.094	0.049	36	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
23	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0014	0.0014	0.65
23	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
23	October	1.9	1.7	0.26	0.13	0.057	48	0.0079	0.29	0.0016	0.0028	0.000016	0.0079	0.00001	25	0.00078	0.0015	0.0014	0.64
23	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0016	0.0026	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
23	December	1.9	1.8	0.26	0.13	0.055	50	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
24	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
24	February	1.8	1.6	0.24	0.12	0.054	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0014	0.0013	0.63
24	March	1.8	1.6	0.24	0.12	0.053	46	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
24	April	1.7	1.5	0.25	0.11	0.052	44	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0014	0.0014	0.68
24	May	1.6	1.2	0.25	0.092	0.049	35	0.006	0.35	0.0012	0.0025	0.000015	0.0068	0.000012	20	0.00083	0.0012	0.0014	0.71
24	June	1.5	1.1	0.23	0.079	0.046	31	0.0056	0.38	0.001	0.0023	0.000016	0.0075	0.000011	18	0.00084	0.001	0.0015	0.68
24	July	1.6	1.3	0.24	0.094	0.049	36	0.0065	0.35	0.0012	0.0024	0.000017	0.0083	0.000011	18	0.0008	0.0012	0.0014	0.66
24	August	1.8	1.5	0.26	0.11	0.054	44	0.0074	0.33	0.0014	0.0026	0.000017	0.0085	0.000011	20	0.00078	0.0014	0.0014	0.65
24	September	1.9	1.7	0.27	0.13	0.057	48	0.008	0.31	0.0016	0.0028	0.000017	0.0082	0.000011	22	0.00079	0.0015	0.0014	0.65
24	October	1.9	1.7	0.26	0.13	0.057	48	0.0079	0.29	0.0016	0.0028	0.000016	0.0079	0.00001	25	0.00078	0.0015	0.0014	0.64
24	November	1.9	1.7	0.26	0.13	0.056	50	0.0082	0.28	0.0016	0.0026	0.000014	0.0077	0.0000099	25	0.00077	0.0015	0.0013	0.62
24	December	1.9	1.8	0.26	0.13	0.055	50	0.0084	0.28	0.0017	0.0026	0.000014	0.0076	0.00001	25	0.00076	0.0015	0.0013	0.61
25	January	1.8	1.7	0.25	0.13	0.054	48	0.0081	0.29	0.0016	0.0026	0.000014	0.0075	0.000012	25	0.00077	0.0015	0.0013	0.62
25	February	1.8	1.6	0.24	0.12	0.053	47	0.008	0.3	0.0016	0.0027	0.000014	0.0074	0.000013	25	0.00078	0.0014	0.0013	0.63
25	March	1.8	1.6	0.24	0.12	0.053	45	0.0078	0.31	0.0015	0.0028	0.000014	0.0073	0.000014	24	0.00079	0.0014	0.0014	0.63
25	April	1.7	1.5	0.25	0.11	0.051	41	0.0074	0.3	0.0014	0.0027	0.000014	0.0071	0.000014	23	0.00079	0.0013	0.0014	0.68
25	May	1.5	1.2	0.25	0.092	0.046	29	0.006	0.35	0.00099	0.0024	0.000015	0.0067	0.000012	20	0.00083	0.001	0.0014	0.71
25	June	1.4	1.1	0.23	0.079	0.042	23	0.0056	0.38	0.0008	0.0023	0.000016	0.0072	0.000011	17	0.00084	0.00083	0.0015	0.68
25	July	1.4	1.3	0.24	0.094	0.044	26	0.0065	0.35	0.0009	0.0023	0.000017	0.008	0.000011	17	0.0008	0.0009	0.0014	0.66
25	August	1.5	1.5	0.26	0.11	0.047	30	0.0074	0.33	0.001	0.0025	0.000017	0.008	0.000011	19	0.00078	0.001	0.0014	0.65
25	September	1.6	1.7	0.27	0.13	0.05	33	0.008	0.31	0.0011	0.0027	0.000017	0.0077	0.000011	21	0.00078	0.0011	0.0014	0.65
25	October	1.6	1.7	0.26	0.13	0.049	33	0.0079	0.29	0.0011	0.0026	0.000016	0.0073	0.00001	23	0.00078	0.0011	0.0013	0.64
25	November	1.6	1.7	0.26	0.13	0.048	33	0.0082	0.28	0.0012	0.0025	0.000014	0.0071	0.0000097	24	0.00076	0.0011	0.0013	0.62
25	December	1.6	1.8	0.26	0.13	0.047	34	0.0084	0.28	0.0012	0.0024	0.000014	0.007	0.00001	23	0.00076	0.0011	0.0013	0.61
26	January	1.5	1.7	0.25	0.13	0.046	32	0.0081	0.29	0.0011	0.0025	0.000014	0.0069	0.000011	23	0.00077	0.0011	0.0013	0.62
26	February	1.5	1.6	0.24	0.12	0.046	31	0.008	0.3	0.0011	0.0026	0.000014	0.0069	0.000013	23	0.00078	0.001	0.0013	0.63
26	March	1.5	1.6	0.24	0.12	0.045	30	0.0078	0.31	0.0011	0.0026	0.000014	0.0069	0.000014	23	0.00078	0.001	0.0013	0.63
26	April	1.4	1.5	0.25	0.11	0.043	27	0.0074	0.3	0.00094	0.0025	0.000014	0.0066	0.000013	22	0.00078	0.00093	0.0013	0.68
26	May	1.3	1.2	0.25	0.092	0.04	18	0.006	0.35	0.00066	0.0023	0.000015	0.0063	0.000012	19	0.00083	0.00071	0.0014	0.71
26	June	1.2	1.1	0.23	0.079	0.037	13	0.0056	0.37	0.00053	0.0022	0.000016	0.0069	0.000011	16	0.00084	0.00059	0.0014	0.68
26	July	1.2	1.3	0.24	0.094	0.038	14	0.0065	0.35	0.00057	0.0022	0.000017	0.0076	0.000011	16	0.0008	0.00061	0.0014	0.66
26	August	1.2	1.5	0.26	0.11	0.04	16	0.0074	0.33	0.00063	0.0024	0.000017	0.0076	0.000011	18	0.00078	0.00068	0.0013	0.65
26	September	1.3	1.7	0.27	0.13	0.042	18	0.008	0.31	0.00068	0.0025	0.000017	0.0073	0.00001	20	0.00078	0.00071	0.0013	0.65
26	October	1.3	1.7	0.26	0.13	0.041	17	0.0079	0.29	0.0007	0.0025	0.000016	0.0069	0.0000098	22	0.00077	0.0007	0.0012	0.64
26	November	1.3	1.7	0.26	0.13	0.04	18	0.0082	0.27	0.00073	0.0023	0.000014	0.0067	0.0000095	23	0.00076	0.0007	0.0012	0.62
26	December	1.3	1.8	0.26	0.13	0.039	18	0.0084	0.28	0.00072	0.0023	0.000014	0.0066	0.00001	22	0.00076	0.0007	0.0012	0.61
27	January	1.2	1.7	0.25	0.13	0.038	17	0.0081	0.28	0.00069	0.0023	0.000014	0.0065	0.000011	22	0.00076	0.00068	0.0012	0.61
27	February	1.2	1.6	0.24	0.12	0.038	17	0.008	0.28	0.00068	0.0023	0.000014	0.0065	0.00001	22	0.00076	0.00067	0.0012	0.61
27	March	1.2	1.6	0.24	0.12	0.038	16	0.0078	0.28	0.00066	0.0023	0.000014	0.0064	0.00001	22	0.00076	0.00065	0.0012	0.61
27	April	1.2	1.5	0.25	0.11	0.038	16	0.0074	0.28	0.00063	0.0022	0.000014	0.0063	0.0000094	21	0.00076	0.00065	0.0012	0.66
27	May	1.2	1.2	0.24	0.092	0.037	13	0.006	0.33	0.00053	0.0021	0.000015	0.0062	0.0000091	18	0.00081	0.00059	0.0013	0.69
27	June	1.1	1.1	0.23	0.079	0.037	12	0.0056	0.36	0.00049	0.002	0.000016	0.0069	0.000009	16	0.00083	0.00054	0.0014	0.67
27	July	1.2	1.3	0.23	0.094	0.038	14	0.0065	0.33	0.00056	0.0021	0.000017	0.0076	0.0000083	16	0.00079	0.0006	0.0013	0.64
27	August	1.3	1.5	0.25	0.11	0.04	17	0.0074	0.31	0.00065	0.0022	0.000017	0.0077	0.0000078	18	0.00077	0.00069	0.0013	0.63

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	1.3	1.7	0.25	0.13	0.043	19	0.008	0.29	0.00071	0.0023	0.000017	0.0073	0.0000074	20	0.00078	0.00074	0.0012	0.64
27	October	1.4	1.7	0.24	0.13	0.042	19	0.008	0.27	0.00074	0.0023	0.000016	0.007	0.0000068	22	0.00077	0.00073	0.0012	0.63
27	November	1.4	1.7	0.24	0.13	0.041	19	0.0082	0.25	0.00078	0.0022	0.000014	0.0068	0.0000063	23	0.00076	0.00074	0.0011	0.6
27	December	1.3	1.8	0.24	0.13	0.04	20	0.0084	0.25	0.00078	0.0021	0.000013	0.0067	0.0000061	22	0.00075	0.00074	0.0011	0.59
28	January	1.3	1.7	0.23	0.13	0.039	19	0.0081	0.25	0.00075	0.0021	0.000013	0.0066	0.0000061	22	0.00075	0.00071	0.0011	0.59
28	February	1.3	1.7	0.23	0.12	0.039	18	0.008	0.25	0.00073	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.0007	0.0011	0.59
28	March	1.2	1.6	0.22	0.12	0.039	18	0.0078	0.25	0.00071	0.002	0.000013	0.0065	0.000006	22	0.00075	0.00069	0.0011	0.59
28	April	1.2	1.5	0.23	0.11	0.038	17	0.0074	0.25	0.00067	0.002	0.000014	0.0063	0.0000061	21	0.00075	0.00068	0.0011	0.64
28	May	1.2	1.2	0.24	0.092	0.038	14	0.006	0.32	0.00055	0.002	0.000015	0.0062	0.0000074	18	0.00081	0.0006	0.0013	0.68
28	June	1.2	1.1	0.22	0.08	0.037	12	0.0056	0.35	0.0005	0.002	0.000016	0.0069	0.0000082	16	0.00083	0.00055	0.0013	0.67
28	July	1.2	1.3	0.23	0.094	0.038	15	0.0065	0.33	0.00057	0.002	0.000017	0.0077	0.0000079	16	0.00079	0.00061	0.0013	0.64
28	August	1.3	1.5	0.25	0.11	0.041	17	0.0074	0.31	0.00066	0.0022	0.000017	0.0077	0.0000074	18	0.00077	0.0007	0.0013	0.63
28	September	1.4	1.7	0.25	0.13	0.043	19	0.008	0.29	0.00072	0.0023	0.000017	0.0073	0.0000071	20	0.00078	0.00074	0.0012	0.63
28	October	1.4	1.7	0.24	0.13	0.042	19	0.008	0.27	0.00075	0.0023	0.000016	0.007	0.0000067	22	0.00077	0.00074	0.0012	0.63
28	November	1.4	1.8	0.24	0.13	0.041	20	0.0082	0.25	0.00079	0.0022	0.000014	0.0068	0.0000062	23	0.00076	0.00074	0.0011	0.6
28	December	1.3	1.8	0.24	0.13	0.04	20	0.0084	0.25	0.00079	0.0021	0.000013	0.0067	0.000006	22	0.00075	0.00075	0.0011	0.59
29	January	1.3	1.7	0.23	0.13	0.039	19	0.0081	0.25	0.00075	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00072	0.0011	0.59
29	February	1.3	1.7	0.23	0.12	0.039	19	0.008	0.25	0.00074	0.0021	0.000013	0.0066	0.0000059	22	0.00075	0.00071	0.0011	0.59
29	March	1.3	1.6	0.23	0.12	0.039	18	0.0078	0.25	0.00072	0.002	0.000013	0.0065	0.0000059	22	0.00075	0.00069	0.0011	0.59
29	April	1.3	1.5	0.23	0.11	0.039	17	0.0074	0.25	0.00068	0.002	0.000014	0.0064	0.000006	21	0.00075	0.00069	0.0011	0.64
29	May	1.2	1.2	0.24	0.092	0.038	14	0.006	0.32	0.00055	0.002	0.000015	0.0062	0.0000074	18	0.00081	0.00061	0.0013	0.68
29	June	1.2	1.1	0.22	0.08	0.037	12	0.0056	0.35	0.0005	0.002	0.000016	0.0069	0.0000082	16	0.00083	0.00056	0.0013	0.67
29	July	1.2	1.3	0.23	0.095	0.038	15	0.0065	0.33	0.00058	0.002	0.000016	0.0077	0.0000078	16	0.00079	0.00062	0.0013	0.64
29	August	1.3	1.5	0.25	0.11	0.041	18	0.0075	0.31	0.00067	0.0022	0.000017	0.0077	0.0000074	18	0.00077	0.0007	0.0013	0.63
29	September	1.4	1.7	0.25	0.13	0.043	19	0.008	0.29	0.00073	0.0023	0.000017	0.0074	0.0000071	20	0.00078	0.00075	0.0012	0.63
29	October	1.4	1.7	0.24	0.13	0.042	19	0.008	0.27	0.00076	0.0023	0.000016	0.007	0.0000067	22	0.00077	0.00075	0.0012	0.63
29	November	1.4	1.8	0.24	0.13	0.041	20	0.0082	0.25	0.00079	0.0022	0.000014	0.0068	0.0000062	23	0.00076	0.00075	0.0011	0.6
29	December	1.3	1.8	0.24	0.13	0.04	20	0.0084	0.25	0.00079	0.0021	0.000013	0.0067	0.000006	22	0.00075	0.00075	0.0011	0.59
30	January	1.3	1.7	0.23	0.13	0.039	19	0.0082	0.25	0.00076	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00073	0.0011	0.59
30	February	1.3	1.7	0.23	0.12	0.039	19	0.008	0.25	0.00075	0.0021	0.000013	0.0066	0.0000059	22	0.00075	0.00072	0.0011	0.59
30	March	1.3	1.6	0.23	0.12	0.039	18	0.0079	0.25	0.00073	0.002	0.000013	0.0065	0.0000059	22	0.00075	0.0007	0.0011	0.59
30	April	1.3	1.5	0.24	0.12	0.039	18	0.0074	0.25	0.00068	0.002	0.000014	0.0064	0.000006	21	0.00075	0.00069	0.0011	0.64
30	May	1.2	1.2	0.24	0.092	0.038	14	0.006	0.32	0.00056	0.002	0.000015	0.0062	0.0000074	18	0.00081	0.00061	0.0013	0.68
30	June	1.2	1.1	0.22	0.08	0.037	13	0.0056	0.35	0.00051	0.002	0.000016	0.007	0.0000082	16	0.00083	0.00056	0.0013	0.67
30	July	1.2	1.3	0.23	0.095	0.038	15	0.0066	0.33	0.00058	0.002	0.000016	0.0077	0.0000078	16	0.00079	0.00062	0.0013	0.64
30	August	1.3	1.5	0.25	0.11	0.041	18	0.0075	0.31	0.00067	0.0022	0.000017	0.0077	0.0000074	18	0.00077	0.00071	0.0013	0.63
30	September	1.4	1.7	0.25	0.13	0.043	19	0.008	0.29	0.00073	0.0023	0.000017	0.0074	0.0000071	20	0.00078	0.00076	0.0012	0.63
30	October	1.4	1.7	0.24	0.13	0.042	19	0.008	0.27	0.00077	0.0023	0.000016	0.007	0.0000067	22	0.00077	0.00075	0.0012	0.63
30	November	1.4	1.8	0.24	0.13	0.041	20	0.0082	0.25	0.0008	0.0022	0.000014	0.0068	0.0000062	23	0.00076	0.00076	0.0011	0.6
30	December	1.3	1.8	0.24	0.13	0.04	20	0.0084	0.25	0.0008	0.0021	0.000013	0.0067	0.000006	22	0.00075	0.00076	0.0011	0.59
31	January	1.3	1.7	0.23	0.13	0.039	19	0.0082	0.25	0.00077	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00073	0.0011	0.59
31	February	1.3	1.7	0.23	0.12	0.039	19	0.0081	0.25	0.00075	0.0021	0.000013	0.0066	0.0000059	22	0.00075	0.00072	0.0011	0.59
31	March	1.3	1.6	0.23	0.12	0.039	18	0.0079	0.25	0.00073	0.002	0.000013	0.0065	0.0000059	22	0.00075	0.0007	0.0011	0.59
31	April	1.3	1.5	0.24	0.12	0.039	18	0.0074	0.25	0.00069	0.002	0.000014	0.0064	0.000006	21	0.00075	0.00069	0.0011	0.64
31	May	1.2	1.2	0.24	0.093	0.038	14	0.006	0.32	0.00056	0.002	0.000015	0.0062	0.0000074	18	0.00081	0.0006	0.0013	0.68
31	June	1.2	1	0.23	0.08	0.037	12	0.0055	0.35	0.00051	0.002	0.000016	0.007	0.0000083	16	0.00083	0.00055	0.0013	0.67
31	July	1.2	1.2	0.23	0.095	0.038	15	0.0064	0.33	0.00058	0.0021	0.000016	0.0077	0.0000079	16	0.00079	0.0006	0.0013	0.64
31	August	1.3	1.4	0.25	0.11	0.041	17	0.0073	0.31	0.00067	0.0022	0.000017	0.0077	0.0000075	18	0.00078	0.00068	0.0013	0.63
31	September	1.4	1.5	0.25	0.13	0.043	19	0.0078	0.29	0.00073	0.0023	0.000017	0.0074	0.0000072	20	0.00078	0.00073	0.0012	0.63
31	October	1.4	1.6	0.24	0.13	0.042	19	0.0078	0.27	0.00076	0.0023	0.000016	0.007	0.0000067	22	0.00078	0.00072	0.0012	0.63
31	November	1.4	1.6	0.24	0.13	0.041	20	0.008	0.25	0.0008	0.0022	0.000014	0.0068	0.0000063	23	0.00076	0.00072	0.0011	0.6
31	December	1.4	1.6	0.24	0.13	0.04	20	0.0082	0.25	0.0008	0.0021	0.000013	0.0067	0.0000061	22	0.00076	0.00073	0.0011	0.59
32	January	1.3	1.5	0.24	0.13	0.039	19	0.0079	0.25	0.00076	0.0021	0.000013	0.0067	0.000006	22	0.00075	0.0007	0.0011	0.59
32	February	1.3	1.5	0.23	0.12	0.039	19	0.0078	0.25	0.00075	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00069	0.0011	0.59
32	March	1.3	1.5	0.23	0.12	0.039	18	0.0076	0.25	0.00073	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00067	0.0011	0.59
32	April	1.3	1.4	0.24	0.12	0.039	17	0.0072	0.25	0.00069	0.002	0.000014	0.0064	0.0000061	21	0.00076	0.00067	0.0011	0.64

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	1.2	1.1	0.24	0.093	0.038	14	0.0059	0.32	0.00056	0.002	0.000015	0.0063	0.0000074	18	0.00081	0.00059	0.0013	0.68
32	June	1.2	0.98	0.23	0.08	0.037	12	0.0055	0.35	0.00051	0.002	0.000016	0.007	0.0000083	16	0.00083	0.00054	0.0013	0.67
32	July	1.3	1.2	0.23	0.095	0.038	14	0.0064	0.33	0.00058	0.0021	0.000016	0.0077	0.0000079	16	0.0008	0.0006	0.0013	0.64
32	August	1.3	1.4	0.25	0.11	0.041	17	0.0072	0.31	0.00067	0.0022	0.000017	0.0077	0.0000075	18	0.00078	0.00068	0.0013	0.63
32	September	1.4	1.5	0.25	0.13	0.043	19	0.0078	0.29	0.00073	0.0023	0.000017	0.0074	0.0000072	20	0.00078	0.00073	0.0012	0.63
32	October	1.4	1.5	0.24	0.13	0.042	19	0.0077	0.27	0.00076	0.0023	0.000016	0.007	0.0000067	22	0.00078	0.00072	0.0012	0.63
32	November	1.4	1.6	0.24	0.13	0.041	20	0.008	0.25	0.0008	0.0022	0.000014	0.0068	0.0000063	23	0.00076	0.00072	0.0011	0.6
32	December	1.4	1.6	0.25	0.13	0.04	20	0.0082	0.25	0.0008	0.0021	0.000013	0.0067	0.0000061	22	0.00076	0.00072	0.0011	0.59
33	January	1.3	1.5	0.24	0.13	0.04	19	0.0079	0.25	0.00076	0.0021	0.000013	0.0067	0.000006	22	0.00075	0.0007	0.0011	0.59
33	February	1.3	1.5	0.23	0.12	0.039	19	0.0078	0.25	0.00075	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00069	0.0011	0.59
33	March	1.3	1.5	0.23	0.12	0.039	18	0.0076	0.25	0.00073	0.0021	0.000013	0.0066	0.000006	22	0.00075	0.00067	0.0011	0.59
33	April	1.3	1.4	0.24	0.12	0.039	17	0.0072	0.25	0.00069	0.002	0.000014	0.0064	0.0000061	21	0.00076	0.00067	0.0011	0.64
33	May	1.2	1.1	0.24	0.093	0.038	14	0.0059	0.32	0.00056	0.002	0.000015	0.0063	0.0000074	18	0.00081	0.00059	0.0013	0.68
33	June	1.2	0.98	0.23	0.08	0.037	12	0.0055	0.35	0.00051	0.002	0.000016	0.007	0.0000083	16	0.00083	0.00054	0.0013	0.67
33	July	1.3	1.2	0.23	0.095	0.038	14	0.0064	0.33	0.00058	0.0021	0.000016	0.0077	0.0000079	16	0.0008	0.0006	0.0013	0.64
33	August	1.3	1.4	0.25	0.11	0.041	17	0.0072	0.31	0.00067	0.0022	0.000017	0.0077	0.0000075	18	0.00078	0.00068	0.0013	0.63
33	September	1.4	1.5	0.25	0.13	0.043	19	0.0078	0.29	0.00073	0.0023	0.000017	0.0074	0.0000072	20	0.00078	0.00073	0.0012	0.63
33	October	1.4	1.5	0.24	0.13	0.042	19	0.0077	0.27	0.00076	0.0023	0.000016	0.007	0.0000067	22	0.00078	0.00072	0.0012	0.63
33	November	1.4	1.6	0.24	0.13	0.041	20	0.008	0.25	0.0008	0.0022	0.000014	0.0068	0.0000063	23	0.00076	0.00072	0.0011	0.6
33	December	1.4	1.6	0.25	0.13	0.04	20	0.0082	0.25	0.0008	0.0021	0.000013	0.0067	0.0000061	22	0.00076	0.00072	0.0011	0.59
34	January	2.6	0.49	0.11	0.04	0.02	9.4	0.0038	0.094	0.00064	0.0019	0.000015	0.0095	0.000007	13	0.001	0.00032	0.0014	0.21
34	February	3	0.11	0.058	0.0083	0.013	5.9	0.0023	0.041	0.00059	0.0018	0.000016	0.01	0.0000073	10	0.0011	0.00018	0.0015	0.073
34	March	2.9	0.1	0.059	0.0081	0.014	5.8	0.0023	0.048	0.00058	0.0018	0.000016	0.01	0.0000072	11	0.0011	0.00018	0.0015	0.092
34	April	3	0.087	0.065	0.006	0.015	6	0.0021	0.065	0.00056	0.0019	0.000017	0.011	0.0000075	11	0.0011	0.00021	0.0014	0.16
34	May	2.7	0.064	0.071	0.0048	0.016	5	0.002	0.1	0.00051	0.0019	0.000016	0.0098	0.0000078	11	0.0011	0.00019	0.0015	0.18
34	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
34	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
34	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
34	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
34	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
34	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
34	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
35	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
35	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
35	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
35	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
35	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
35	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
35	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
35	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
35	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
35	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
35	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
35	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
36	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
36	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
36	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
36	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
36	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
36	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
36	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
36	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
36	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
36	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
36	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
36	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
37	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
37	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
37	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
37	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
37	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
37	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
37	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
37	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
37	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
37	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
37	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
38	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
38	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
38	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
38	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
38	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
38	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
38	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
38	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
38	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
38	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
38	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
38	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
39	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
39	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
39	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
39	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
39	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
39	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
39	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
39	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
39	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
39	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
39	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
39	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
40	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
40	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
40	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
40	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
40	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
40	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
40	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
40	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
40	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
40	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
40	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
40	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
41	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
41	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
41	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
41	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
41	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
41	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
41	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
41	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
41	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
41	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
41	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
42	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
42	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
42	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
42	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
42	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
42	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
42	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
42	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
42	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
42	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
42	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
42	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
43	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
43	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
43	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
43	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
43	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
43	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
43	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
43	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
43	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
43	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
43	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
43	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
44	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
44	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
44	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
44	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
44	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
44	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
44	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
44	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
44	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
44	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
44	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
44	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
45	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
45	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
45	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
45	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
45	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
45	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
45	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
45	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
45	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
45	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
45	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
45	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
46	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
46	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
46	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
46	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
46	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
46	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
46	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
46	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
46	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
46	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
46	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
47	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
47	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
47	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
47	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
47	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
47	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
47	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
47	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
47	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
47	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
47	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
47	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
48	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
48	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
48	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
48	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
48	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
48	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
48	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
48	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
48	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
48	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
48	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
48	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
49	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
49	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
49	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
49	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
49	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
49	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
49	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
49	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
49	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
49	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
49	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
49	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
50	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
50	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
50	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
50	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
50	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
50	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
50	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
50	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
50	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
50	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
50	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
50	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
51	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
51	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
51	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
51	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
51	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
51	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
51	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
51	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
51	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
51	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
51	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
52	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
52	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
52	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
52	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
52	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
52	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
52	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
52	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
52	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
52	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
52	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
52	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
53	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
53	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
53	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
53	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
53	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
53	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
53	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
53	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
53	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
53	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
53	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
53	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
54	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
54	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
54	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
54	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
54	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
54	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
54	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
54	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
54	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
54	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
54	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
54	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
55	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
55	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
55	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
55	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
55	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
55	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
55	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
55	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
55	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
55	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
55	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
56	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
56	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
56	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
56	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
56	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
56	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
56	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
56	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
56	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
56	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
56	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
56	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
57	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
57	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
57	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
57	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
57	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
57	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
57	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
57	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
57	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
57	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
57	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
57	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
58	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
58	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
58	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
58	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
58	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
58	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
58	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
58	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
58	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
58	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
58	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
58	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
59	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
59	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
59	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
59	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
59	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
59	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
59	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
59	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
59	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
59	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
59	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
59	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
60	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
60	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
60	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
60	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
60	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
60	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
60	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
60	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
60	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
60	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
60	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
61	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
61	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
61	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
61	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
61	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
61	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
61	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
61	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
61	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
61	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
61	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
61	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
62	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
62	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
62	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
62	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
62	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
62	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
62	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
62	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
62	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
62	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
62	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
62	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
63	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
63	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
63	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
63	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
63	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
63	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
63	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
63	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
63	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
63	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
63	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
63	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
64	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
64	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
64	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
64	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
64	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
64	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
64	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
64	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
64	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
64	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
64	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
64	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
65	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
65	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
65	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
65	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
65	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
65	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
65	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
65	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
65	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
65	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
65	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
66	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
66	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
66	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
66	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
66	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
66	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
66	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
66	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
66	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
66	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
66	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
66	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
67	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
67	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
67	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.00079	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
67	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
67	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
67	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
67	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
67	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
67	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
67	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
67	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
67	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
68	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
68	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
68	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
68	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
68	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
68	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
68	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
68	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
68	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
68	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
68	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
68	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
69	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
69	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
69	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
69	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
69	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
69	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
69	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
69	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
69	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
69	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
69	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25
70	January	4.6	0.18	0.058	0.0054	0.021	14	0.0026	0.12	0.00083	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00055	0.0013	0.26
70	February	4.5	0.17	0.058	0.0054	0.022	14	0.0026	0.12	0.00082	0.0017	0.000022	0.017	0.00001	22	0.0013	0.00055	0.0013	0.27
70	March	4.4	0.17	0.059	0.0053	0.022	14	0.0025	0.12	0.0008	0.0017	0.000021	0.017	0.0000099	22	0.0012	0.00054	0.0013	0.28
70	April	3.5	0.11	0.065	0.0051	0.018	8.6	0.0022	0.09	0.00064	0.0018	0.000019	0.013	0.0000084	15	0.0011	0.00033	0.0014	0.22
70	May	2.7	0.065	0.071	0.0048	0.017	5.1	0.002	0.11	0.00051	0.0019	0.000016	0.0099	0.0000078	11	0.0011	0.00019	0.0015	0.19
70	June	2.8	0.066	0.06	0.0048	0.015	5.2	0.0022	0.087	0.00053	0.0019	0.000017	0.01	0.0000077	11	0.0011	0.00018	0.0015	0.15
70	July	3.3	0.088	0.056	0.0049	0.016	7.1	0.0022	0.072	0.00061	0.0019	0.000018	0.012	0.0000081	12	0.0011	0.00025	0.0015	0.14
70	August	3.5	0.1	0.055	0.0054	0.017	8.1	0.0022	0.067	0.00065	0.0019	0.000019	0.013	0.0000083	14	0.0011	0.00029	0.0015	0.14
70	September	3.4	0.095	0.053	0.0058	0.017	7.6	0.0022	0.065	0.00064	0.0019	0.000018	0.012	0.0000082	14	0.0011	0.00027	0.0015	0.14
70	October	3.4	0.095	0.052	0.0059	0.017	7.5	0.0022	0.068	0.00064	0.0019	0.000018	0.012	0.000008	15	0.0011	0.00027	0.0014	0.15
70	November	4.2	0.14	0.055	0.0057	0.019	12	0.0023	0.086	0.00077	0.0018	0.00002	0.016	0.0000093	19	0.0012	0.00043	0.0014	0.2
70	December	4.8	0.18	0.058	0.0055	0.021	15	0.0025	0.11	0.00087	0.0017	0.000022	0.018	0.00001	22	0.0013	0.00057	0.0013	0.25

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00018	4.7	0.028	0.0000014	0.00033	0.00077	1.5	0.00011	0.000021	0.000005	0.000051	0.00047	0.0012	0.0015	0.00045	0.00036
-6	February	0.00018	4.7	0.028	0.0000014	0.00033	0.00077	1.5	0.00011	0.000021	0.000005	0.000051	0.00047	0.0012	0.0015	0.00045	0.00036
-6	March	0.00018	4.7	0.029	0.0000014	0.00033	0.00077	1.5	0.00011	0.00002	0.000005	0.000051	0.00047	0.0012	0.0016	0.00045	0.00036
-6	April	0.0002	4.7	0.058	0.0000014	0.00031	0.00086	1.4	0.00012	0.000018	0.000005	0.00005	0.00039	0.0012	0.0025	0.00045	0.00035
-6	May	0.00019	4.2	0.049	0.0000042	0.00029	0.0012	1.5	0.00014	0.000014	0.000005	0.00005	0.0003	0.0015	0.0027	0.00073	0.00026
-6	June	0.00017	3.7	0.041	0.0000057	0.00026	0.0011	1.4	0.00013	0.000011	0.000005	0.00005	0.00026	0.0016	0.0022	0.00082	0.00026
-6	July	0.00015	4.4	0.053	0.0000053	0.00032	0.001	1.4	0.00012	0.00001	0.0000054	0.000061	0.00036	0.0015	0.0018	0.00073	0.00031
-6	August	0.00018	5.4	0.064	0.0000042	0.00039	0.001	1.5	0.00011	0.000014	0.0000057	0.000086	0.00044	0.0015	0.0017	0.00065	0.00036
-6	September	0.00021	6.1	0.059	0.000003	0.00045	0.001	1.7	0.00011	0.00002	0.0000055	0.0001	0.0005	0.0014	0.0017	0.00066	0.00039
-6	October	0.00019	6.2	0.042	0.000002	0.00046	0.00093	1.8	0.000091	0.000023	0.0000052	0.000085	0.00048	0.0012	0.0018	0.00072	0.0004
-6	November	0.00017	5.6	0.031	0.0000016	0.00039	0.00085	1.7	0.000083	0.000025	0.0000051	0.000064	0.0004	0.0012	0.0017	0.00068	0.0004
-6	December	0.00017	5.1	0.028	0.0000015	0.00035	0.00082	1.6	0.000085	0.000024	0.000005	0.000057	0.00037	0.0012	0.0016	0.00062	0.00039
-5	January	0.00017	5.0	0.028	0.0000015	0.00034	0.00081	1.6	0.000089	0.000024	0.000005	0.000056	0.00038	0.0012	0.0016	0.00059	0.00038
-5	February	0.00017	4.9	0.028	0.0000014	0.00034	0.0008	1.6	0.00009	0.000024	0.000005	0.000055	0.00039	0.0012	0.0016	0.00058	0.00038
-5	March	0.00017	4.9	0.029	0.0000014	0.00034	0.0008	1.6	0.000094	0.000023	0.000005	0.000055	0.0004	0.0012	0.0016	0.00056	0.00038
-5	April	0.0002	4.8	0.058	0.0000014	0.00031	0.00087	1.5	0.00012	0.000019	0.000005	0.000052	0.00036	0.0012	0.0025	0.00049	0.00035
-5	May	0.00019	4.2	0.049	0.0000042	0.00029	0.0012	1.5	0.00014	0.000014	0.000005	0.00005	0.0003	0.0015	0.0027	0.00074	0.00026
-5	June	0.00017	3.7	0.041	0.0000057	0.00026	0.0011	1.4	0.00013	0.000011	0.000005	0.00005	0.00026	0.0016	0.0022	0.00082	0.00026
-5	July	0.00015	4.4	0.053	0.0000053	0.00032	0.001	1.4	0.00012	0.00001	0.0000054	0.000061	0.00036	0.0015	0.0018	0.00073	0.00031
-5	August	0.00018	5.4	0.064	0.0000042	0.00039	0.001	1.5	0.00011	0.000014	0.0000057	0.000086	0.00044	0.0015	0.0017	0.00065	0.00036
-5	September	0.00021	6.1	0.059	0.000003	0.00045	0.001	1.7	0.00011	0.00002	0.0000055	0.0001	0.0005	0.0014	0.0017	0.00066	0.00039
-5	October	0.00019	6.2	0.042	0.000002	0.00046	0.00093	1.8	0.000091	0.000023	0.0000052	0.000085	0.00048	0.0012	0.0018	0.00072	0.0004
-5	November	0.00017	5.6	0.031	0.0000016	0.00039	0.00085	1.7	0.000083	0.000025	0.0000051	0.000064	0.0004	0.0012	0.0017	0.00068	0.0004
-5	December	0.00017	5.1	0.028	0.0000015	0.00035	0.00082	1.6	0.000085	0.000024	0.000005	0.000057	0.00037	0.0012	0.0016	0.00062	0.00039
-4	January	0.00017	5.0	0.028	0.0000015	0.00034	0.00081	1.6	0.000089	0.000024	0.000005	0.000056	0.00038	0.0012	0.0016	0.00059	0.00038
-4	February	0.00017	4.9	0.028	0.0000014	0.00034	0.0008	1.6	0.00009	0.000024	0.000005	0.000055	0.00039	0.0012	0.0016	0.00058	0.00038
-4	March	0.00017	4.9	0.029	0.0000014	0.00034	0.0008	1.6	0.000094	0.000023	0.000005	0.000055	0.0004	0.0012	0.0016	0.00056	0.00038
-4	April	0.0002	4.8	0.058	0.0000014	0.00031	0.00087	1.5	0.00012	0.000019	0.000005	0.000052	0.00036	0.0012	0.0025	0.00049	0.00035
-4	May	0.00019	4.2	0.049	0.0000042	0.00029	0.0012	1.5	0.00014	0.000014	0.000005	0.00005	0.0003	0.0015	0.0027	0.00074	0.00026
-4	June	0.00017	3.7	0.041	0.0000057	0.00026	0.0011	1.4	0.00013	0.000011	0.000005	0.00005	0.00026	0.0016	0.0022	0.00082	0.00026
-4	July	0.00015	4.4	0.053	0.0000053	0.00032	0.001	1.4	0.00012	0.00001	0.0000054	0.000061	0.00036	0.0015	0.0018	0.00073	0.00031
-4	August	0.00018	5.4	0.064	0.0000042	0.00039	0.001	1.5	0.00011	0.000014	0.0000057	0.000086	0.00044	0.0015	0.0017	0.00065	0.00036
-4	September	0.00021	6.1	0.059	0.000003	0.00045	0.001	1.7	0.00011	0.00002	0.0000055	0.0001	0.0005	0.0014	0.0017	0.00066	0.00039
-4	October	0.00019	6.2	0.042	0.000002	0.00046	0.00093	1.8	0.000091	0.000023	0.0000052	0.000085	0.00048	0.0012	0.0018	0.00072	0.0004
-4	November	0.00017	5.6	0.031	0.0000016	0.00039	0.00085	1.7	0.000083	0.000025	0.0000051	0.000064	0.0004	0.0012	0.0017	0.00068	0.0004
-4	December	0.00017	5.1	0.028	0.0000015	0.00035	0.00082	1.6	0.000085	0.000024	0.000005	0.000057	0.00037	0.0012	0.0016	0.00062	0.00039
-3	January	0.00023	5.0	0.028	0.0000015	0.00034	0.00083	1.6	0.000089	0.000024	0.0000051	0.000056	0.00039	0.0012	0.0019	0.00061	0.00038
-3	February	0.00034	4.9	0.029	0.0000015	0.00034	0.00088	1.6	0.000091	0.000025	0.0000053	0.000057	0.00039	0.0012	0.0024	0.00064	0.00038
-3	March	0.00042	4.9	0.03	0.0000015	0.00034	0.00092	1.6	0.000096	0.000024	0.0000054	0.000058	0.0004	0.0012	0.0028	0.00065	0.00038
-3	April	0.00036	4.8	0.058	0.0000015	0.00031	0.00095	1.5	0.00012	0.00002	0.0000052	0.000054	0.00036	0.0012	0.0033	0.00055	0.00035
-3	May	0.00024	4.2	0.049	0.0000042	0.00029	0.0012	1.5	0.00014	0.000014	0.0000051	0.000051	0.0003	0.0016	0.0029	0.00075	0.00026
-3	June	0.0002	3.7	0.042	0.0000057	0.00026	0.0011	1.4	0.00013	0.000011	0.0000051	0.00005	0.00026	0.0016	0.0023	0.00083	0.00026
-3	July	0.00021	4.4	0.053	0.0000054	0.00032	0.0011	1.4	0.00012	0.000011	0.0000055	0.000062	0.00036	0.0015	0.0021	0.00075	0.00031
-3	August	0.00025	5.4	0.064	0.0000042	0.00039	0.001	1.5	0.00011	0.000015	0.0000058	0.000087	0.00044	0.0015	0.002	0.00067	0.00036
-3	September	0.00028	6.1	0.059	0.0000031	0.00045	0.001	1.7	0.00011	0.00002	0.0000056	0.0001	0.0005	0.0014	0.0021	0.00069	0.00039
-3	October	0.00025	6.2	0.042	0.000002	0.00046	0.00096	1.8	0.000092	0.000024	0.0000053	0.000086	0.00048	0.0013	0.0021	0.00074	0.0004
-3	November	0.00025	5.6	0.031	0.0000016	0.00039	0.00088	1.7	0.000083	0.000025	0.0000052	0.000065	0.0004	0.0012	0.002	0.00071	0.0004
-3	December	0.00029	5.1	0.029	0.0000015	0.00035	0.00087	1.6	0.000086	0.000025	0.0000052	0.000059	0.00037	0.0012	0.0022	0.00067	0.00039
-2	January	0.00039	5.0	0.029	0.0000015	0.00034	0.00091	1.6	0.00009	0.000025	0.0000053	0.000059	0.00039	0.0012	0.0026	0.00067	0.00038
-2	February	0.00049	4.9	0.029	0.0000016	0.00034	0.00095	1.6	0.000092	0.000026	0.0000055	0.000059	0.00039	0.0012	0.0031	0.0007	0.00038
-2	March	0.00055	4.9	0.03	0.0000016	0.00034	0.00097	1.6	0.000096	0.000025	0.0000055	0.00006	0.0004	0.0013	0.0034	0.00071	0.00038
-2	April	0.00041	4.8	0.059	0.0000015	0.00031	0.00097	1.5	0.00012	0.000021	0.0000053	0.000055	0.00036	0.0012	0.0035	0.00057	0.00035
-2	May	0.00024	4.2	0.049	0.0000043	0.00029	0.0012	1.5	0.00014	0.000014	0.0000051	0.000051	0.0003	0.0016	0.0029	0.00076	0.00026
-2	June	0.0002	3.7	0.042	0.0000058	0.00026	0.0011	1.4	0.00013	0.000011	0.000005	0.00005	0.00026	0.0016	0.0023	0.00083	0.00026
-2	July	0.0002	4.5	0.054	0.0000053	0.00032	0.0011	1.4	0.00012	0.000011	0.0000055	0.000062	0.00037	0.0015	0.0021	0.00074	0.00031
-2	August	0.00024	5.5	0.065	0.0000042	0.00039	0.001	1.5	0.00011	0.000015	0.0000058	0.000089	0.00044	0.0015	0.002	0.00066	0.00037

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00028	6.2	0.059	0.000003	0.00046	0.001	1.7	0.00011	0.00002	0.0000056	0.0001	0.0005	0.0014	0.0021	0.00069	0.00039
-2	October	0.00025	6.2	0.041	0.000002	0.00046	0.00095	1.8	0.000091	0.000024	0.0000052	0.000086	0.00049	0.0013	0.0021	0.00074	0.0004
-2	November	0.00025	5.6	0.032	0.0000016	0.00039	0.00088	1.8	0.000083	0.000025	0.0000052	0.000066	0.0004	0.0012	0.0021	0.00072	0.0004
-2	December	0.0003	5.1	0.029	0.0000015	0.00035	0.00088	1.7	0.000086	0.000025	0.0000052	0.000059	0.00038	0.0012	0.0023	0.00068	0.00039
-1	January	0.0004	5.0	0.029	0.0000016	0.00035	0.00092	1.6	0.000089	0.000026	0.0000053	0.00006	0.00038	0.0012	0.0027	0.00069	0.00038
-1	February	0.00051	5.0	0.03	0.0000016	0.00035	0.00096	1.6	0.00009	0.000026	0.0000055	0.000061	0.00039	0.0012	0.0033	0.00073	0.00038
-1	March	0.00061	5.0	0.03	0.0000016	0.00035	0.001	1.6	0.000092	0.000026	0.0000056	0.000062	0.00039	0.0013	0.0037	0.00076	0.00038
-1	April	0.0006	4.9	0.044	0.0000016	0.00033	0.001	1.6	0.0001	0.000024	0.0000056	0.00006	0.00038	0.0013	0.004	0.00071	0.00037
-1	May	0.00043	4.5	0.049	0.0000032	0.0003	0.0011	1.5	0.00013	0.000018	0.0000053	0.000055	0.00033	0.0015	0.0036	0.00075	0.0003
-1	June	0.00032	4.0	0.044	0.0000049	0.00028	0.0012	1.5	0.00013	0.000014	0.0000052	0.000052	0.00029	0.0016	0.003	0.00083	0.00027
-1	July	0.00033	4.1	0.047	0.0000052	0.00029	0.0012	1.4	0.00013	0.000013	0.0000054	0.000056	0.00031	0.0016	0.0029	0.00082	0.00029
-1	August	0.00037	4.6	0.053	0.0000049	0.00033	0.0012	1.5	0.00012	0.000014	0.0000056	0.000069	0.00036	0.0016	0.0029	0.0008	0.00036
-1	September	0.00041	5.1	0.055	0.0000042	0.00039	0.0011	1.5	0.00012	0.000017	0.0000057	0.000085	0.0004	0.0015	0.003	0.00079	0.00046
-1	October	0.00042	5.5	0.05	0.0000034	0.00043	0.0011	1.7	0.00011	0.00002	0.0000056	0.000089	0.00044	0.0014	0.003	0.0008	0.00057
-1	November	0.00043	5.5	0.043	0.0000028	0.00044	0.0011	1.7	0.0001	0.000022	0.0000056	0.000085	0.00042	0.0014	0.003	0.0008	0.00069
-1	December	0.00049	5.4	0.041	0.0000026	0.00045	0.0011	1.7	0.0001	0.000023	0.0000056	0.000087	0.00041	0.0014	0.0033	0.0008	0.00087
1	January	0.00056	5.3	0.04	0.0000026	0.00049	0.0011	1.7	0.00011	0.000024	0.0000057	0.000094	0.00042	0.0014	0.0036	0.00082	0.0012
1	February	0.0006	5.3	0.04	0.0000026	0.00051	0.0011	1.7	0.00011	0.000024	0.0000058	0.000099	0.00042	0.0014	0.0038	0.00082	0.0013
1	March	0.00063	5.3	0.04	0.0000025	0.00053	0.0011	1.8	0.00011	0.000024	0.0000058	0.0001	0.00043	0.0014	0.0039	0.00083	0.0015
1	April	0.00057	5.1	0.049	0.0000023	0.00052	0.0011	1.7	0.00012	0.000023	0.0000057	0.0001	0.00041	0.0013	0.0039	0.00075	0.0016
1	May	0.0004	4.6	0.051	0.0000033	0.00044	0.0011	1.6	0.00014	0.000018	0.0000054	0.000082	0.00035	0.0015	0.0034	0.00075	0.0012
1	June	0.00029	4.1	0.045	0.0000047	0.00039	0.0012	1.5	0.00014	0.000014	0.0000052	0.000074	0.00031	0.0015	0.0029	0.0008	0.001
1	July	0.00027	4.2	0.048	0.000005	0.00043	0.0011	1.5	0.00014	0.000013	0.0000053	0.000083	0.00033	0.0015	0.0026	0.00079	0.0013
1	August	0.00028	4.7	0.054	0.0000047	0.00051	0.0011	1.6	0.00014	0.000014	0.0000056	0.0001	0.00038	0.0015	0.0025	0.00075	0.0016
1	September	0.00029	5.2	0.055	0.0000041	0.00058	0.0011	1.7	0.00014	0.000016	0.0000056	0.00012	0.00043	0.0015	0.0024	0.00074	0.0018
1	October	0.00029	5.6	0.05	0.0000033	0.00062	0.001	1.8	0.00013	0.000019	0.0000055	0.00012	0.00046	0.0014	0.0024	0.00075	0.0019
1	November	0.00029	5.5	0.043	0.0000027	0.00064	0.00099	1.8	0.00012	0.000022	0.0000054	0.00012	0.00044	0.0013	0.0023	0.00074	0.0021
1	December	0.00031	5.4	0.04	0.0000025	0.00069	0.00097	1.9	0.00012	0.000022	0.0000055	0.00013	0.00044	0.0013	0.0024	0.00073	0.0026
2	January	0.00035	5.3	0.04	0.0000025	0.00073	0.00098	1.9	0.00013	0.000023	0.0000055	0.00014	0.00044	0.0013	0.0026	0.00074	0.0029
2	February	0.00039	5.3	0.04	0.0000025	0.00072	0.001	1.9	0.00013	0.000023	0.0000056	0.00014	0.00044	0.0013	0.0028	0.00075	0.0029
2	March	0.00043	5.3	0.04	0.0000025	0.0008	0.001	1.9	0.00014	0.000023	0.0000057	0.00015	0.00045	0.0013	0.0029	0.00075	0.0033
2	April	0.00042	5.2	0.049	0.0000022	0.00085	0.001	1.9	0.00015	0.000022	0.0000056	0.00016	0.00044	0.0013	0.0032	0.0007	0.0034
2	May	0.00033	4.7	0.051	0.0000033	0.00067	0.0011	1.8	0.00016	0.000018	0.0000054	0.00013	0.00038	0.0014	0.0031	0.00073	0.0024
2	June	0.00026	4.2	0.046	0.0000047	0.00059	0.0012	1.7	0.00016	0.000014	0.0000053	0.00011	0.00033	0.0015	0.0027	0.0008	0.0019
2	July	0.00025	4.2	0.048	0.000005	0.00068	0.0011	1.7	0.00016	0.000013	0.0000054	0.00013	0.00036	0.0015	0.0025	0.00079	0.0023
2	August	0.00027	4.7	0.055	0.0000047	0.00082	0.0011	1.8	0.00017	0.000014	0.0000057	0.00016	0.00041	0.0015	0.0024	0.00076	0.0029
2	September	0.00028	5.2	0.056	0.0000042	0.00093	0.0011	1.9	0.00017	0.000017	0.0000058	0.00019	0.00046	0.0015	0.0024	0.00075	0.0033
2	October	0.00028	5.6	0.051	0.0000034	0.00098	0.001	2.0	0.00016	0.00002	0.0000057	0.00019	0.00049	0.0014	0.0023	0.00076	0.0034
2	November	0.00028	5.6	0.044	0.0000028	0.001	0.00099	2.1	0.00015	0.000022	0.0000056	0.00019	0.00048	0.0013	0.0023	0.00075	0.0036
2	December	0.0003	5.4	0.041	0.0000026	0.0011	0.00097	2.2	0.00017	0.000023	0.0000057	0.00022	0.00049	0.0013	0.0024	0.00074	0.0044
3	January	0.00034	5.4	0.041	0.0000026	0.0012	0.00098	2.2	0.00017	0.000023	0.0000058	0.00024	0.0005	0.0013	0.0025	0.00075	0.0049
3	February	0.00039	5.4	0.041	0.0000026	0.0012	0.001	2.2	0.00017	0.000024	0.0000058	0.00024	0.0005	0.0013	0.0027	0.00076	0.0048
3	March	0.00042	5.3	0.041	0.0000026	0.0013	0.001	2.3	0.00018	0.000024	0.0000059	0.00026	0.00051	0.0013	0.0029	0.00076	0.0054
3	April	0.00041	5.2	0.05	0.0000023	0.0013	0.001	2.3	0.00019	0.000023	0.0000058	0.00026	0.00049	0.0013	0.0031	0.00071	0.0055
3	May	0.00033	4.7	0.052	0.0000034	0.00096	0.0011	2.0	0.00018	0.000018	0.0000055	0.00018	0.00041	0.0015	0.0031	0.00073	0.0037
3	June	0.00026	4.2	0.046	0.0000047	0.00078	0.0012	1.8	0.00018	0.000014	0.0000053	0.00015	0.00035	0.0016	0.0027	0.0008	0.0029
3	July	0.00025	4.2	0.049	0.0000051	0.00089	0.0011	1.8	0.00018	0.000013	0.0000055	0.00017	0.00038	0.0016	0.0025	0.0008	0.0034
3	August	0.00026	4.7	0.055	0.0000048	0.0011	0.0011	2.0	0.00019	0.000014	0.0000058	0.00021	0.00044	0.0015	0.0024	0.00076	0.0042
3	September	0.00028	5.2	0.057	0.0000042	0.0012	0.0011	2.1	0.00019	0.000017	0.0000059	0.00024	0.00049	0.0015	0.0024	0.00075	0.0047
3	October	0.00028	5.6	0.051	0.0000034	0.0012	0.001	2.2	0.00018	0.00002	0.0000058	0.00024	0.00052	0.0014	0.0023	0.00076	0.0047
3	November	0.00028	5.6	0.045	0.0000029	0.0013	0.00099	2.3	0.00018	0.000022	0.0000057	0.00025	0.00051	0.0014	0.0023	0.00076	0.005
3	December	0.0003	5.4	0.042	0.0000027	0.0015	0.00097	2.4	0.00019	0.000023	0.0000058	0.00028	0.00052	0.0013	0.0023	0.00075	0.0061
4	January	0.00034	5.4	0.042	0.0000027	0.0016	0.00098	2.5	0.00021	0.000024	0.0000059	0.00031	0.00053	0.0013	0.0025	0.00076	0.0068
4	February	0.00038	5.4	0.042	0.0000027	0.0016	0.001	2.5	0.0002	0.000024	0.000006	0.0003	0.00053	0.0014	0.0027	0.00077	0.0067
4	March	0.00042	5.3	0.042	0.0000026	0.0015	0.001	2.4	0.0002	0.000024	0.000006	0.00029	0.00053	0.0014	0.0029	0.00077	0.0064
4	April	0.00041	5.2	0.05	0.0000024	0.0014	0.001	2.3	0.0002	0.000023	0.0000059	0.00026	0.0005	0.0013	0.0031	0.00071	0.0058

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00033	4.7	0.052	0.0000034	0.001	0.0011	2.0	0.00019	0.000018	0.0000055	0.00019	0.00041	0.0015	0.0031	0.00074	0.0042
4	June	0.00026	4.2	0.046	0.0000047	0.00084	0.0011	1.9	0.00018	0.000014	0.0000054	0.00016	0.00036	0.0016	0.0027	0.0008	0.0035
4	July	0.00025	4.3	0.049	0.0000051	0.00097	0.0011	2.0	0.00019	0.000013	0.0000056	0.00019	0.00039	0.0016	0.0025	0.0008	0.0043
4	August	0.00026	4.7	0.055	0.0000048	0.0012	0.0011	2.1	0.0002	0.000015	0.0000058	0.00023	0.00045	0.0015	0.0024	0.00076	0.0054
4	September	0.00028	5.2	0.057	0.0000042	0.0013	0.0011	2.3	0.0002	0.000017	0.0000059	0.00026	0.0005	0.0015	0.0024	0.00075	0.006
4	October	0.00028	5.6	0.051	0.0000034	0.0013	0.001	2.4	0.00019	0.00002	0.0000058	0.00026	0.00053	0.0014	0.0023	0.00076	0.0061
4	November	0.00028	5.6	0.045	0.0000029	0.0014	0.00099	2.4	0.00019	0.000022	0.0000058	0.00026	0.00052	0.0014	0.0023	0.00076	0.0064
4	December	0.0003	5.4	0.042	0.0000027	0.0014	0.00097	2.4	0.00019	0.000023	0.0000058	0.00026	0.00051	0.0013	0.0023	0.00074	0.0065
5	January	0.00034	5.4	0.041	0.0000026	0.0013	0.00098	2.4	0.00018	0.000023	0.0000058	0.00025	0.00051	0.0013	0.0025	0.00075	0.0061
5	February	0.00038	5.4	0.041	0.0000026	0.0013	0.001	2.4	0.00018	0.000024	0.0000058	0.00025	0.00051	0.0013	0.0027	0.00076	0.006
5	March	0.00042	5.3	0.041	0.0000026	0.0013	0.001	2.3	0.00018	0.000024	0.0000059	0.00024	0.0005	0.0014	0.0029	0.00076	0.0057
5	April	0.00041	5.2	0.05	0.0000023	0.0012	0.001	2.2	0.00018	0.000023	0.0000058	0.00023	0.00048	0.0013	0.0031	0.00071	0.0056
5	May	0.00032	4.7	0.051	0.0000034	0.00099	0.0011	2.1	0.00019	0.000018	0.0000055	0.00019	0.00041	0.0015	0.0031	0.00073	0.0045
5	June	0.00026	4.2	0.046	0.0000047	0.00089	0.0011	1.9	0.00019	0.000015	0.0000054	0.00017	0.00036	0.0016	0.0027	0.0008	0.004
5	July	0.00025	4.3	0.049	0.0000051	0.0011	0.0011	2.0	0.00019	0.000014	0.0000056	0.0002	0.0004	0.0016	0.0025	0.00079	0.0051
5	August	0.00026	4.7	0.055	0.0000048	0.0013	0.0011	2.2	0.00021	0.000015	0.0000059	0.00025	0.00046	0.0015	0.0024	0.00076	0.0065
5	September	0.00028	5.2	0.057	0.0000042	0.0015	0.0011	2.4	0.00021	0.000017	0.000006	0.00029	0.00052	0.0015	0.0023	0.00075	0.0073
5	October	0.00028	5.6	0.051	0.0000035	0.0015	0.001	2.5	0.0002	0.00002	0.0000059	0.00029	0.00055	0.0014	0.0023	0.00076	0.0074
5	November	0.00028	5.6	0.045	0.0000029	0.0016	0.00099	2.6	0.0002	0.000022	0.0000058	0.0003	0.00054	0.0014	0.0023	0.00076	0.0077
5	December	0.0003	5.4	0.042	0.0000027	0.0016	0.00097	2.6	0.0002	0.000023	0.0000058	0.0003	0.00053	0.0013	0.0023	0.00074	0.0078
6	January	0.00034	5.4	0.041	0.0000026	0.0015	0.00098	2.5	0.00019	0.000024	0.0000059	0.00028	0.00052	0.0013	0.0025	0.00075	0.0074
6	February	0.00038	5.4	0.041	0.0000026	0.0015	0.001	2.5	0.00019	0.000024	0.0000059	0.00028	0.00052	0.0013	0.0027	0.00076	0.0072
6	March	0.00042	5.3	0.041	0.0000026	0.0014	0.001	2.4	0.00019	0.000024	0.0000059	0.00027	0.00052	0.0014	0.0029	0.00076	0.0069
6	April	0.00041	5.2	0.05	0.0000023	0.0014	0.001	2.4	0.00019	0.000023	0.0000058	0.00026	0.0005	0.0013	0.0031	0.00071	0.0067
6	May	0.00032	4.7	0.052	0.0000034	0.0011	0.0011	2.2	0.00019	0.000018	0.0000056	0.00021	0.00042	0.0015	0.003	0.00073	0.0054
6	June	0.00026	4.2	0.046	0.0000047	0.00099	0.0011	2.0	0.00019	0.000015	0.0000054	0.00019	0.00037	0.0016	0.0027	0.0008	0.0048
6	July	0.00025	4.3	0.049	0.0000051	0.0012	0.0011	2.1	0.0002	0.000014	0.0000056	0.00023	0.00041	0.0016	0.0025	0.00079	0.0061
6	August	0.00026	4.7	0.055	0.0000048	0.0015	0.0011	2.3	0.00022	0.000015	0.000006	0.00028	0.00048	0.0016	0.0024	0.00076	0.0077
6	September	0.00028	5.2	0.057	0.0000042	0.0016	0.0011	2.5	0.00023	0.000017	0.000006	0.00032	0.00054	0.0015	0.0023	0.00075	0.0086
6	October	0.00028	5.6	0.052	0.0000035	0.0017	0.001	2.6	0.00022	0.00002	0.0000059	0.00032	0.00057	0.0014	0.0023	0.00076	0.0087
6	November	0.00027	5.6	0.045	0.0000029	0.0017	0.00098	2.7	0.00021	0.000023	0.0000059	0.00033	0.00056	0.0014	0.0022	0.00076	0.0091
6	December	0.0003	5.4	0.042	0.0000027	0.0017	0.00097	2.7	0.00021	0.000023	0.0000059	0.00033	0.00055	0.0013	0.0023	0.00074	0.0092
7	January	0.00034	5.4	0.041	0.0000026	0.0017	0.00098	2.6	0.00021	0.000024	0.0000059	0.00031	0.00054	0.0013	0.0025	0.00075	0.0087
7	February	0.00038	5.4	0.041	0.0000026	0.0016	0.00099	2.6	0.0002	0.000024	0.000006	0.00031	0.00054	0.0014	0.0027	0.00076	0.0085
7	March	0.00042	5.3	0.041	0.0000026	0.0016	0.001	2.6	0.0002	0.000024	0.000006	0.0003	0.00054	0.0014	0.0029	0.00076	0.0082
7	April	0.00041	5.2	0.05	0.0000023	0.0015	0.001	2.5	0.0002	0.000023	0.0000059	0.00028	0.00051	0.0013	0.0031	0.0007	0.0079
7	May	0.00032	4.7	0.052	0.0000034	0.0012	0.0011	2.2	0.0002	0.000018	0.0000056	0.00023	0.00043	0.0015	0.003	0.00073	0.0063
7	June	0.00026	4.2	0.046	0.0000047	0.0011	0.0011	2.1	0.0002	0.000015	0.0000055	0.0002	0.00038	0.0016	0.0027	0.0008	0.0056
7	July	0.00025	4.3	0.049	0.0000051	0.0013	0.0011	2.2	0.00021	0.000014	0.0000057	0.00025	0.00042	0.0016	0.0025	0.00079	0.0071
7	August	0.00026	4.7	0.056	0.0000048	0.0016	0.0011	2.5	0.00023	0.000015	0.000006	0.00031	0.00049	0.0016	0.0024	0.00076	0.0089
7	September	0.00028	5.2	0.057	0.0000042	0.0018	0.0011	2.6	0.00024	0.000018	0.0000061	0.00035	0.00055	0.0015	0.0023	0.00075	0.0099
7	October	0.00027	5.6	0.052	0.0000035	0.0018	0.001	2.7	0.00023	0.000021	0.000006	0.00035	0.00058	0.0014	0.0023	0.00076	0.01
7	November	0.00027	5.6	0.045	0.0000029	0.0019	0.00098	2.8	0.00023	0.000023	0.0000059	0.00036	0.00058	0.0014	0.0022	0.00075	0.01
7	December	0.00029	5.4	0.042	0.0000027	0.0019	0.00097	2.8	0.00022	0.000023	0.0000059	0.00036	0.00056	0.0013	0.0023	0.00074	0.011
8	January	0.00034	5.4	0.042	0.0000026	0.0018	0.00098	2.7	0.00022	0.000024	0.000006	0.00034	0.00056	0.0013	0.0025	0.00074	0.01
8	February	0.00038	5.4	0.041	0.0000026	0.0018	0.00099	2.7	0.00022	0.000024	0.000006	0.00033	0.00055	0.0014	0.0027	0.00075	0.0097
8	March	0.00042	5.3	0.041	0.0000026	0.0017	0.001	2.7	0.00021	0.000024	0.000006	0.00032	0.00055	0.0014	0.0029	0.00076	0.0094
8	April	0.00041	5.2	0.05	0.0000023	0.0016	0.001	2.6	0.00021	0.000023	0.0000059	0.00031	0.00053	0.0013	0.0031	0.0007	0.009
8	May	0.00032	4.7	0.052	0.0000034	0.0013	0.0011	2.3	0.00021	0.000018	0.0000056	0.00025	0.00045	0.0015	0.003	0.00073	0.0071
8	June	0.00026	4.2	0.047	0.0000047	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00022	0.00039	0.0016	0.0027	0.0008	0.0063
8	July	0.00025	4.3	0.05	0.0000051	0.0014	0.0011	2.3	0.00022	0.000014	0.0000057	0.00027	0.00044	0.0016	0.0025	0.00079	0.008
8	August	0.00026	4.7	0.056	0.0000048	0.0017	0.0011	2.6	0.00024	0.000015	0.000006	0.00033	0.00051	0.0016	0.0024	0.00076	0.01
8	September	0.00027	5.2	0.058	0.0000042	0.0019	0.0011	2.7	0.00025	0.000018	0.0000061	0.00038	0.00057	0.0015	0.0023	0.00074	0.011
8	October	0.00027	5.6	0.052	0.0000035	0.002	0.001	2.9	0.00024	0.000021	0.000006	0.00038	0.0006	0.0014	0.0023	0.00075	0.011
8	November	0.00027	5.6	0.045	0.0000029	0.002	0.00098	2.9	0.00024	0.000023	0.000006	0.00039	0.00059	0.0014	0.0022	0.00075	0.012
8	December	0.00029	5.4	0.042	0.0000027	0.002	0.00096	2.9	0.00024	0.000024	0.000006	0.00039	0.00058	0.0014	0.0023	0.00074	0.012

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00034	5.4	0.042	0.0000026	0.0019	0.00097	2.9	0.00023	0.000024	0.000006	0.00037	0.00057	0.0014	0.0025	0.00074	0.011
9	February	0.00038	5.4	0.042	0.0000026	0.0019	0.00099	2.8	0.00023	0.000024	0.000006	0.00036	0.00057	0.0014	0.0027	0.00075	0.011
9	March	0.00042	5.3	0.042	0.0000026	0.0018	0.001	2.8	0.00022	0.000024	0.0000061	0.00035	0.00056	0.0014	0.0029	0.00076	0.011
9	April	0.00041	5.2	0.05	0.0000023	0.0017	0.001	2.7	0.00022	0.000023	0.000006	0.00033	0.00054	0.0013	0.0031	0.0007	0.01
9	May	0.00032	4.7	0.052	0.0000034	0.0014	0.0011	2.4	0.00022	0.000018	0.0000057	0.00026	0.00045	0.0015	0.003	0.00073	0.0078
9	June	0.00026	4.2	0.047	0.0000047	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00023	0.0004	0.0016	0.0027	0.0008	0.0069
9	July	0.00024	4.3	0.05	0.0000051	0.0015	0.0011	2.4	0.00023	0.000014	0.0000058	0.00028	0.00044	0.0016	0.0025	0.00079	0.0086
9	August	0.00026	4.7	0.056	0.0000048	0.0018	0.0011	2.6	0.00025	0.000015	0.0000061	0.00034	0.00052	0.0016	0.0024	0.00076	0.011
9	September	0.00027	5.2	0.058	0.0000042	0.002	0.0011	2.8	0.00026	0.000018	0.0000062	0.00039	0.00058	0.0015	0.0023	0.00075	0.012
9	October	0.00027	5.6	0.052	0.0000035	0.002	0.001	2.9	0.00025	0.000021	0.0000061	0.00039	0.00061	0.0014	0.0023	0.00076	0.012
9	November	0.00027	5.6	0.046	0.0000029	0.0021	0.00098	3.0	0.00024	0.000023	0.000006	0.00039	0.0006	0.0014	0.0022	0.00075	0.012
9	December	0.00029	5.4	0.043	0.0000027	0.002	0.00096	3.0	0.00024	0.000024	0.000006	0.00039	0.00058	0.0014	0.0023	0.00074	0.012
10	January	0.00033	5.4	0.042	0.0000026	0.0019	0.00097	2.9	0.00023	0.000024	0.000006	0.00037	0.00057	0.0014	0.0025	0.00074	0.012
10	February	0.00038	5.4	0.042	0.0000026	0.0019	0.00099	2.8	0.00023	0.000024	0.0000061	0.00036	0.00057	0.0014	0.0027	0.00075	0.011
10	March	0.00042	5.3	0.042	0.0000026	0.0018	0.001	2.8	0.00023	0.000024	0.0000061	0.00035	0.00057	0.0014	0.0029	0.00076	0.011
10	April	0.00041	5.2	0.051	0.0000024	0.0017	0.001	2.7	0.00023	0.000023	0.000006	0.00033	0.00054	0.0013	0.0031	0.0007	0.01
10	May	0.00032	4.7	0.052	0.0000034	0.0014	0.0011	2.4	0.00022	0.000019	0.0000057	0.00026	0.00046	0.0015	0.003	0.00073	0.0079
10	June	0.00026	4.2	0.047	0.0000048	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00023	0.0004	0.0016	0.0027	0.0008	0.0069
10	July	0.00024	4.3	0.05	0.0000051	0.0015	0.0011	2.4	0.00023	0.000014	0.0000058	0.00028	0.00044	0.0016	0.0025	0.0008	0.0086
10	August	0.00026	4.7	0.056	0.0000049	0.0018	0.0011	2.6	0.00025	0.000015	0.0000061	0.00034	0.00052	0.0016	0.0024	0.00077	0.011
10	September	0.00027	5.2	0.058	0.0000043	0.002	0.0011	2.8	0.00026	0.000018	0.0000062	0.00039	0.00058	0.0015	0.0023	0.00076	0.012
10	October	0.00027	5.6	0.052	0.0000035	0.002	0.001	2.9	0.00025	0.000021	0.0000061	0.00039	0.00061	0.0014	0.0023	0.00077	0.012
10	November	0.00027	5.6	0.046	0.000003	0.002	0.00098	3.0	0.00024	0.000023	0.0000061	0.00039	0.0006	0.0014	0.0022	0.00076	0.012
10	December	0.00029	5.4	0.043	0.0000027	0.002	0.00096	3.0	0.00024	0.000024	0.0000061	0.00039	0.00059	0.0014	0.0023	0.00075	0.012
11	January	0.00033	5.4	0.042	0.0000027	0.0019	0.00098	2.9	0.00023	0.000024	0.0000061	0.00037	0.00058	0.0014	0.0025	0.00075	0.012
11	February	0.00038	5.4	0.042	0.0000027	0.0019	0.00099	2.8	0.00023	0.000024	0.0000061	0.00036	0.00057	0.0014	0.0027	0.00076	0.011
11	March	0.00042	5.3	0.042	0.0000026	0.0018	0.001	2.8	0.00023	0.000024	0.0000061	0.00035	0.00057	0.0014	0.0029	0.00077	0.011
11	April	0.00041	5.2	0.051	0.0000024	0.0017	0.001	2.7	0.00023	0.000023	0.000006	0.00033	0.00054	0.0014	0.0031	0.00071	0.01
11	May	0.00032	4.7	0.052	0.0000034	0.0014	0.0011	2.4	0.00022	0.000019	0.0000057	0.00026	0.00046	0.0015	0.003	0.00074	0.0079
11	June	0.00026	4.2	0.047	0.0000048	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00023	0.0004	0.0016	0.0027	0.00081	0.0069
11	July	0.00024	4.3	0.05	0.0000051	0.0015	0.0011	2.4	0.00023	0.000014	0.0000058	0.00028	0.00044	0.0016	0.0025	0.0008	0.0086
11	August	0.00026	4.7	0.056	0.0000049	0.0018	0.0011	2.6	0.00025	0.000015	0.0000061	0.00034	0.00052	0.0016	0.0024	0.00077	0.011
11	September	0.00027	5.2	0.058	0.0000043	0.002	0.0011	2.8	0.00026	0.000018	0.0000062	0.00038	0.00058	0.0015	0.0023	0.00076	0.012
11	October	0.00027	5.6	0.052	0.0000036	0.002	0.001	2.9	0.00025	0.000021	0.0000061	0.00038	0.00061	0.0014	0.0023	0.00077	0.012
11	November	0.00027	5.6	0.046	0.000003	0.002	0.00098	3.0	0.00024	0.000023	0.0000061	0.00039	0.0006	0.0014	0.0022	0.00077	0.012
11	December	0.00029	5.4	0.043	0.0000028	0.002	0.00096	3.0	0.00024	0.000024	0.0000061	0.00039	0.00058	0.0014	0.0023	0.00076	0.012
12	January	0.00033	5.4	0.042	0.0000027	0.0019	0.00098	2.9	0.00023	0.000024	0.0000061	0.00037	0.00058	0.0014	0.0025	0.00076	0.012
12	February	0.00038	5.4	0.042	0.0000027	0.0019	0.00099	2.8	0.00023	0.000024	0.0000061	0.00036	0.00057	0.0014	0.0027	0.00077	0.011
12	March	0.00042	5.3	0.042	0.0000027	0.0018	0.001	2.8	0.00023	0.000024	0.0000061	0.00035	0.00057	0.0014	0.0029	0.00077	0.011
12	April	0.00041	5.2	0.051	0.0000024	0.0017	0.001	2.7	0.00023	0.000023	0.000006	0.00033	0.00054	0.0014	0.0031	0.00072	0.01
12	May	0.00032	4.7	0.052	0.0000035	0.0014	0.0011	2.4	0.00022	0.000019	0.0000057	0.00026	0.00046	0.0015	0.003	0.00074	0.0079
12	June	0.00026	4.2	0.047	0.0000048	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00023	0.0004	0.0016	0.0027	0.00081	0.0069
12	July	0.00024	4.3	0.05	0.0000051	0.0014	0.0011	2.4	0.00023	0.000014	0.0000058	0.00028	0.00044	0.0016	0.0025	0.0008	0.0086
12	August	0.00026	4.7	0.056	0.0000049	0.0018	0.0011	2.6	0.00025	0.000015	0.0000061	0.00034	0.00052	0.0016	0.0024	0.00077	0.011
12	September	0.00027	5.2	0.058	0.0000043	0.002	0.0011	2.8	0.00026	0.000018	0.0000062	0.00038	0.00058	0.0015	0.0023	0.00076	0.012
12	October	0.00027	5.6	0.052	0.0000036	0.002	0.001	2.9	0.00025	0.000021	0.0000061	0.00038	0.00061	0.0014	0.0023	0.00077	0.012
12	November	0.00027	5.6	0.046	0.000003	0.002	0.00098	3.0	0.00024	0.000023	0.0000061	0.00039	0.0006	0.0014	0.0022	0.00077	0.012
12	December	0.00029	5.4	0.043	0.0000028	0.002	0.00097	3.0	0.00024	0.000024	0.0000061	0.00039	0.00058	0.0014	0.0023	0.00076	0.012
13	January	0.00033	5.4	0.042	0.0000027	0.0019	0.00098	2.9	0.00023	0.000024	0.0000061	0.00037	0.00058	0.0014	0.0025	0.00076	0.012
13	February	0.00038	5.4	0.042	0.0000027	0.0019	0.00099	2.8	0.00023	0.000024	0.0000061	0.00036	0.00057	0.0014	0.0027	0.00077	0.011
13	March	0.00042	5.3	0.042	0.0000027	0.0018	0.001	2.8	0.00023	0.000024	0.0000061	0.00035	0.00057	0.0014	0.0029	0.00077	0.011
13	April	0.00041	5.2	0.051	0.0000024	0.0017	0.001	2.7	0.00023	0.000023	0.000006	0.00033	0.00054	0.0014	0.0031	0.00072	0.01
13	May	0.00032	4.7	0.052	0.0000035	0.0014	0.0011	2.4	0.00022	0.000019	0.0000057	0.00026	0.00046	0.0015	0.003	0.00074	0.0079
13	June	0.00026	4.2	0.047	0.0000048	0.0012	0.0011	2.2	0.00021	0.000015	0.0000055	0.00023	0.0004	0.0016	0.0027	0.00081	0.0069
13	July	0.00024	4.3	0.05	0.0000051	0.0014	0.0011	2.4	0.00023	0.000014	0.0000058	0.00028	0.00044	0.0016	0.0025	0.0008	0.0086
13	August	0.00026	4.7	0.056	0.0000049	0.0018	0.0011	2.6	0.00025	0.000015	0.0000061	0.00034	0.00052	0.0016	0.0024	0.00077	0.011

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00027	5.2	0.058	0.0000043	0.002	0.0011	2.8	0.00026	0.000018	0.0000062	0.00038	0.00058	0.0015	0.0023	0.00076	0.012
13	October	0.00027	5.6	0.052	0.0000036	0.002	0.001	2.9	0.00025	0.000021	0.0000061	0.00038	0.00061	0.0014	0.0023	0.00077	0.012
13	November	0.00027	5.6	0.046	0.000003	0.002	0.00098	3.0	0.00024	0.000023	0.0000061	0.00039	0.0006	0.0014	0.0022	0.00077	0.012
13	December	0.00029	5.4	0.043	0.0000028	0.002	0.00097	3.0	0.00024	0.000024	0.0000061	0.00038	0.00058	0.0014	0.0023	0.00076	0.012
14	January	0.00033	5.4	0.042	0.0000027	0.0019	0.00098	2.9	0.00023	0.000024	0.0000061	0.00037	0.00058	0.0014	0.0025	0.00076	0.012
14	February	0.00038	5.4	0.042	0.0000027	0.0019	0.00099	2.8	0.00023	0.000024	0.0000061	0.00036	0.00057	0.0014	0.0027	0.00077	0.011
14	March	0.00042	5.3	0.042	0.0000027	0.0018	0.001	2.8	0.00023	0.000024	0.0000061	0.00035	0.00057	0.0014	0.0029	0.00077	0.011
14	April	0.00041	5.2	0.05	0.0000024	0.0017	0.001	2.6	0.00022	0.000023	0.000006	0.00032	0.00054	0.0014	0.0031	0.00072	0.01
14	May	0.00032	4.7	0.052	0.0000034	0.0013	0.0011	2.3	0.00021	0.000019	0.0000056	0.00024	0.00044	0.0015	0.003	0.00074	0.0079
14	June	0.00026	4.2	0.046	0.0000048	0.0011	0.0011	2.1	0.0002	0.000015	0.0000055	0.0002	0.00038	0.0016	0.0027	0.00081	0.0069
14	July	0.00024	4.2	0.049	0.0000051	0.0012	0.0011	2.2	0.00021	0.000014	0.0000057	0.00024	0.00042	0.0016	0.0025	0.0008	0.0086
14	August	0.00026	4.7	0.055	0.0000049	0.0015	0.0011	2.4	0.00023	0.000015	0.000006	0.00029	0.00049	0.0016	0.0024	0.00077	0.011
14	September	0.00027	5.2	0.057	0.0000043	0.0017	0.0011	2.6	0.00023	0.000018	0.0000061	0.00033	0.00055	0.0015	0.0023	0.00076	0.012
14	October	0.00027	5.6	0.051	0.0000035	0.0017	0.001	2.7	0.00022	0.000021	0.000006	0.00033	0.00057	0.0014	0.0023	0.00077	0.012
14	November	0.00027	5.5	0.045	0.000003	0.0017	0.00098	2.7	0.00022	0.000023	0.0000059	0.00033	0.00056	0.0014	0.0022	0.00077	0.012
14	December	0.00029	5.4	0.042	0.0000028	0.0017	0.00096	2.7	0.00021	0.000024	0.0000059	0.00032	0.00055	0.0014	0.0023	0.00076	0.012
15	January	0.00033	5.3	0.041	0.0000027	0.0016	0.00097	2.7	0.00021	0.000024	0.0000059	0.00031	0.00054	0.0014	0.0025	0.00076	0.012
15	February	0.00038	5.3	0.041	0.0000027	0.0016	0.00099	2.6	0.00021	0.000024	0.000006	0.0003	0.00054	0.0014	0.0027	0.00077	0.011
15	March	0.00042	5.3	0.041	0.0000026	0.0015	0.001	2.6	0.0002	0.000024	0.000006	0.00029	0.00054	0.0014	0.0029	0.00077	0.011
15	April	0.00041	5.1	0.05	0.0000024	0.0015	0.001	2.5	0.0002	0.000023	0.0000059	0.00028	0.00051	0.0014	0.0031	0.00071	0.01
15	May	0.00032	4.6	0.052	0.0000034	0.0012	0.0011	2.2	0.0002	0.000019	0.0000056	0.00022	0.00043	0.0015	0.003	0.00074	0.0079
15	June	0.00026	4.2	0.046	0.0000048	0.001	0.0011	2.1	0.0002	0.000015	0.0000054	0.00019	0.00038	0.0016	0.0027	0.00081	0.0069
15	July	0.00024	4.2	0.049	0.0000051	0.0012	0.0011	2.2	0.00021	0.000014	0.0000057	0.00023	0.00042	0.0016	0.0025	0.0008	0.0086
15	August	0.00026	4.7	0.055	0.0000048	0.0014	0.0011	2.4	0.00022	0.000015	0.000006	0.00028	0.00049	0.0016	0.0024	0.00077	0.011
15	September	0.00027	5.2	0.057	0.0000043	0.0016	0.0011	2.6	0.00023	0.000018	0.0000061	0.00031	0.00054	0.0015	0.0023	0.00076	0.012
15	October	0.00027	5.5	0.051	0.0000035	0.0016	0.001	2.7	0.00022	0.000021	0.000006	0.00031	0.00057	0.0014	0.0023	0.00077	0.012
15	November	0.00027	5.5	0.045	0.0000029	0.0017	0.00098	2.7	0.00021	0.000023	0.0000059	0.00031	0.00056	0.0014	0.0022	0.00076	0.012
15	December	0.00029	5.4	0.042	0.0000027	0.0017	0.00096	2.7	0.00021	0.000024	0.0000059	0.00031	0.00055	0.0014	0.0023	0.00075	0.012
16	January	0.00034	5.3	0.041	0.0000027	0.0016	0.00097	2.7	0.0002	0.000024	0.0000059	0.0003	0.00054	0.0014	0.0025	0.00076	0.012
16	February	0.00038	5.3	0.041	0.0000027	0.0016	0.00099	2.6	0.0002	0.000024	0.000006	0.00029	0.00054	0.0014	0.0027	0.00077	0.011
16	March	0.00042	5.3	0.041	0.0000026	0.0015	0.001	2.6	0.0002	0.000024	0.000006	0.00029	0.00054	0.0014	0.0029	0.00077	0.011
16	April	0.00041	5.1	0.048	0.0000025	0.0015	0.00099	2.5	0.00021	0.000023	0.0000059	0.00028	0.00052	0.0013	0.0031	0.00074	0.011
16	May	0.00033	4.6	0.05	0.0000034	0.0012	0.0011	2.3	0.00021	0.00002	0.0000057	0.00024	0.00045	0.0014	0.003	0.00077	0.0095
16	June	0.00027	4.2	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00083	0.0087
16	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
16	August	0.00026	4.5	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.000006	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
16	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00025	0.000019	0.0000061	0.00034	0.00054	0.0015	0.0023	0.00082	0.014
16	October	0.00027	5.2	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.014
16	November	0.00027	5.2	0.045	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
16	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.000006	0.00034	0.00055	0.0013	0.0023	0.00083	0.015
17	January	0.00034	5.0	0.042	0.0000031	0.0017	0.00093	2.7	0.00023	0.000025	0.000006	0.00033	0.00055	0.0013	0.0025	0.00083	0.014
17	February	0.00038	5.0	0.042	0.0000031	0.0017	0.00095	2.7	0.00023	0.000025	0.000006	0.00033	0.00055	0.0013	0.0027	0.00084	0.014
17	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.7	0.00022	0.000025	0.0000061	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
17	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.000006	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
17	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
17	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
17	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
17	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.000006	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
17	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00025	0.000019	0.000006	0.00034	0.00054	0.0015	0.0023	0.00082	0.014
17	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
17	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
17	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
18	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00093	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
18	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00023	0.000025	0.000006	0.00033	0.00055	0.0013	0.0027	0.00083	0.014
18	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.7	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
18	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00096	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
18	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
18	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
18	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00082	0.013
18	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
18	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
18	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
18	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
19	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00093	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
19	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0027	0.00083	0.014
19	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.6	0.00022	0.000025	0.000006	0.00031	0.00054	0.0013	0.0029	0.00084	0.014
19	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
19	May	0.00034	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
19	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
19	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
19	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00082	0.013
19	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
19	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
19	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
19	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
20	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00093	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
20	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
20	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.7	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
20	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
20	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
20	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
20	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
20	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
20	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
20	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
20	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
20	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
21	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00094	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
21	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
21	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.6	0.00022	0.000025	0.000006	0.00031	0.00054	0.0013	0.0029	0.00084	0.014
21	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
21	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
21	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
21	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
21	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
21	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
21	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00033	0.00057	0.0014	0.0023	0.00083	0.015
21	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
21	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
22	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00093	2.7	0.00023	0.000025	0.0000059	0.00032	0.00055	0.0013	0.0025	0.00082	0.014
22	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
22	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.6	0.00022	0.000025	0.000006	0.00031	0.00054	0.0013	0.0029	0.00084	0.014
22	April	0.00042	4.9	0.049	0.0000028	0.0015	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
22	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
22	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
22	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
22	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
22	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
22	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
22	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
22	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00094	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
23	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
23	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.6	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
23	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
23	May	0.00034	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
23	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
23	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
23	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.000006	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
23	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00034	0.00054	0.0015	0.0023	0.00082	0.014
23	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
23	November	0.00027	5.1	0.045	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
23	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
24	January	0.00034	5.0	0.042	0.0000031	0.0017	0.00094	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
24	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00023	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
24	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.7	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
24	April	0.00042	4.9	0.049	0.0000028	0.0016	0.00097	2.6	0.00022	0.000024	0.0000059	0.0003	0.00052	0.0013	0.0031	0.00079	0.013
24	May	0.00033	4.5	0.05	0.0000036	0.0013	0.001	2.3	0.00022	0.00002	0.0000057	0.00025	0.00045	0.0014	0.003	0.00079	0.011
24	June	0.00027	4.1	0.046	0.0000047	0.0011	0.0011	2.2	0.00021	0.000016	0.0000055	0.00022	0.0004	0.0015	0.0027	0.00084	0.0092
24	July	0.00026	4.1	0.048	0.0000051	0.0013	0.0011	2.3	0.00022	0.000016	0.0000057	0.00025	0.00043	0.0015	0.0025	0.00084	0.011
24	August	0.00026	4.4	0.053	0.0000049	0.0015	0.001	2.5	0.00024	0.000017	0.0000059	0.0003	0.00049	0.0015	0.0024	0.00083	0.013
24	September	0.00027	4.8	0.054	0.0000045	0.0017	0.001	2.6	0.00024	0.000019	0.000006	0.00033	0.00054	0.0015	0.0023	0.00082	0.014
24	October	0.00027	5.1	0.05	0.0000039	0.0017	0.00098	2.7	0.00024	0.000022	0.000006	0.00034	0.00057	0.0014	0.0023	0.00083	0.015
24	November	0.00027	5.1	0.044	0.0000034	0.0018	0.00093	2.8	0.00023	0.000024	0.0000059	0.00034	0.00056	0.0013	0.0022	0.00083	0.015
24	December	0.00029	5.0	0.042	0.0000032	0.0018	0.00092	2.8	0.00023	0.000024	0.0000059	0.00034	0.00055	0.0013	0.0023	0.00082	0.015
25	January	0.00034	5.0	0.041	0.0000031	0.0017	0.00094	2.7	0.00023	0.000025	0.0000059	0.00033	0.00055	0.0013	0.0025	0.00082	0.014
25	February	0.00038	5.0	0.041	0.0000031	0.0017	0.00095	2.7	0.00022	0.000025	0.000006	0.00032	0.00055	0.0013	0.0027	0.00083	0.014
25	March	0.00042	5.0	0.041	0.0000031	0.0016	0.00097	2.6	0.00022	0.000025	0.000006	0.00032	0.00054	0.0013	0.0029	0.00084	0.014
25	April	0.00042	4.9	0.048	0.0000028	0.0015	0.00096	2.5	0.00022	0.000024	0.0000059	0.00029	0.00052	0.0013	0.0031	0.00079	0.013
25	May	0.00033	4.5	0.05	0.0000036	0.0011	0.001	2.2	0.0002	0.00002	0.0000056	0.00022	0.00044	0.0014	0.003	0.00079	0.011
25	June	0.00027	4.1	0.046	0.0000047	0.00094	0.0011	2.0	0.0002	0.000016	0.0000054	0.00018	0.00038	0.0015	0.0027	0.00084	0.0092
25	July	0.00026	4.0	0.047	0.0000051	0.001	0.0011	2.0	0.0002	0.000015	0.0000056	0.0002	0.00041	0.0015	0.0025	0.00084	0.011
25	August	0.00026	4.3	0.052	0.0000049	0.0012	0.001	2.2	0.00021	0.000017	0.0000058	0.00024	0.00046	0.0015	0.0024	0.00082	0.013
25	September	0.00027	4.7	0.053	0.0000045	0.0013	0.001	2.3	0.00021	0.000019	0.0000059	0.00026	0.0005	0.0015	0.0023	0.00082	0.014
25	October	0.00027	5.1	0.049	0.0000038	0.0013	0.00097	2.4	0.0002	0.000021	0.0000058	0.00026	0.00053	0.0014	0.0023	0.00083	0.015
25	November	0.00027	5.1	0.043	0.0000033	0.0013	0.00093	2.4	0.0002	0.000023	0.0000057	0.00026	0.00052	0.0013	0.0022	0.00083	0.015
25	December	0.00029	4.9	0.041	0.0000032	0.0013	0.00091	2.4	0.0002	0.000024	0.0000057	0.00026	0.00051	0.0013	0.0023	0.00082	0.015
26	January	0.00034	4.9	0.04	0.0000031	0.0013	0.00093	2.4	0.00019	0.000024	0.0000058	0.00025	0.00051	0.0013	0.0025	0.00082	0.014
26	February	0.00038	4.9	0.04	0.0000031	0.0013	0.00095	2.4	0.00019	0.000024	0.0000058	0.00025	0.00051	0.0013	0.0027	0.00083	0.014
26	March	0.00042	4.9	0.04	0.000003	0.0012	0.00096	2.3	0.00019	0.000025	0.0000058	0.00024	0.0005	0.0013	0.0029	0.00084	0.014
26	April	0.00042	4.8	0.047	0.0000028	0.0011	0.00096	2.2	0.00019	0.000024	0.0000058	0.00022	0.00048	0.0013	0.0031	0.00078	0.013
26	May	0.00033	4.4	0.049	0.0000035	0.00085	0.001	2.0	0.00018	0.00002	0.0000055	0.00017	0.00041	0.0014	0.003	0.00079	0.011
26	June	0.00027	4.0	0.045	0.0000047	0.00069	0.0011	1.8	0.00018	0.000016	0.0000053	0.00014	0.00036	0.0015	0.0027	0.00083	0.0092
26	July	0.00026	4.0	0.047	0.000005	0.00074	0.0011	1.8	0.00018	0.000015	0.0000055	0.00015	0.00038	0.0015	0.0025	0.00084	0.011
26	August	0.00026	4.3	0.051	0.0000048	0.00083	0.001	1.9	0.00018	0.000016	0.0000057	0.00017	0.00042	0.0015	0.0024	0.00082	0.013
26	September	0.00027	4.7	0.052	0.0000044	0.00091	0.001	1.9	0.00018	0.000018	0.0000057	0.00019	0.00046	0.0014	0.0023	0.00081	0.014
26	October	0.00027	5.0	0.048	0.0000038	0.00093	0.00097	2.0	0.00017	0.000021	0.0000056	0.00019	0.00049	0.0014	0.0023	0.00082	0.015
26	November	0.00027	5.0	0.042	0.0000033	0.00094	0.00092	2.1	0.00017	0.000023	0.0000056	0.00019	0.00048	0.0013	0.0022	0.00082	0.015
26	December	0.00029	4.9	0.04	0.0000031	0.00093	0.00091	2.1	0.00017	0.000024	0.0000056	0.00019	0.00047	0.0013	0.0023	0.00081	0.015
27	January	0.00031	4.8	0.039	0.000003	0.0009	0.00091	2.0	0.00016	0.000024	0.0000056	0.00018	0.00047	0.0013	0.0024	0.00081	0.014
27	February	0.00031	4.8	0.039	0.000003	0.00089	0.00091	2.0	0.00016	0.000024	0.0000056	0.00018	0.00047	0.0013	0.0024	0.0008	0.014
27	March	0.00031	4.8	0.039	0.0000029	0.00087	0.0009	2.0	0.00016	0.000024	0.0000055	0.00017	0.00047	0.0013	0.0023	0.00079	0.014
27	April	0.00028	4.7	0.046	0.0000027	0.00085	0.00089	1.9	0.00017	0.000022	0.0000055	0.00017	0.00046	0.0013	0.0024	0.00073	0.013
27	May	0.00023	4.4	0.049	0.0000035	0.00073	0.00099	1.9	0.00017	0.000019	0.0000053	0.00014	0.0004	0.0014	0.0025	0.00075	0.011
27	June	0.00019	4.0	0.045	0.0000047	0.00066	0.0011	1.8	0.00017	0.000016	0.0000053	0.00013	0.00036	0.0015	0.0023	0.00081	0.0092
27	July	0.00017	4.0	0.047	0.000005	0.00075	0.001	1.8	0.00018	0.000015	0.0000054	0.00015	0.00039	0.0015	0.0021	0.00081	0.011
27	August	0.00017	4.3	0.051	0.0000048	0.00087	0.00098	1.9	0.00018	0.000016	0.0000056	0.00018	0.00044	0.0015	0.0019	0.00079	0.013

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00017	4.7	0.052	0.0000044	0.00096	0.00096	2.0	0.00019	0.000018	0.0000057	0.0002	0.00048	0.0015	0.0018	0.00078	0.014
27	October	0.00017	5.0	0.048	0.0000038	0.001	0.00092	2.1	0.00018	0.000021	0.0000056	0.0002	0.00051	0.0014	0.0018	0.00079	0.015
27	November	0.00016	5.0	0.042	0.0000033	0.001	0.00087	2.1	0.00017	0.000022	0.0000055	0.0002	0.0005	0.0013	0.0017	0.00078	0.015
27	December	0.00016	4.9	0.04	0.0000031	0.001	0.00085	2.1	0.00017	0.000023	0.0000055	0.0002	0.00049	0.0013	0.0016	0.00076	0.015
28	January	0.00016	4.9	0.039	0.000003	0.00098	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00075	0.014
28	February	0.00016	4.9	0.039	0.000003	0.00097	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00075	0.014
28	March	0.00016	4.9	0.039	0.0000029	0.00094	0.00084	2.0	0.00017	0.000023	0.0000055	0.00018	0.00049	0.0013	0.0016	0.00073	0.014
28	April	0.00017	4.8	0.046	0.0000027	0.0009	0.00084	2.0	0.00017	0.000022	0.0000054	0.00017	0.00047	0.0013	0.0019	0.00069	0.013
28	May	0.00018	4.4	0.049	0.0000035	0.00076	0.00097	1.9	0.00017	0.000019	0.0000053	0.00015	0.00041	0.0014	0.0022	0.00073	0.011
28	June	0.00017	4.0	0.045	0.0000047	0.00068	0.001	1.8	0.00017	0.000016	0.0000052	0.00013	0.00036	0.0015	0.0022	0.0008	0.0092
28	July	0.00015	4.0	0.046	0.000005	0.00076	0.001	1.8	0.00018	0.000015	0.0000054	0.00015	0.00039	0.0015	0.002	0.0008	0.011
28	August	0.00015	4.3	0.051	0.0000048	0.00088	0.00098	1.9	0.00019	0.000016	0.0000056	0.00018	0.00044	0.0015	0.0018	0.00078	0.013
28	September	0.00016	4.7	0.052	0.0000044	0.00097	0.00096	2.0	0.00019	0.000018	0.0000057	0.0002	0.00049	0.0015	0.0018	0.00078	0.014
28	October	0.00016	5.0	0.048	0.0000038	0.001	0.00092	2.1	0.00018	0.000021	0.0000056	0.0002	0.00051	0.0014	0.0017	0.00079	0.015
28	November	0.00016	5.0	0.042	0.0000033	0.001	0.00087	2.1	0.00017	0.000022	0.0000055	0.0002	0.0005	0.0013	0.0017	0.00078	0.015
28	December	0.00015	4.9	0.04	0.0000031	0.001	0.00085	2.1	0.00017	0.000023	0.0000055	0.0002	0.00049	0.0013	0.0016	0.00076	0.015
29	January	0.00015	4.9	0.039	0.000003	0.00099	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00075	0.015
29	February	0.00015	4.9	0.039	0.000003	0.00097	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00074	0.014
29	March	0.00016	4.9	0.039	0.0000029	0.00095	0.00084	2.1	0.00017	0.000023	0.0000055	0.00018	0.00049	0.0013	0.0016	0.00073	0.014
29	April	0.00017	4.8	0.046	0.0000027	0.00091	0.00084	2.0	0.00017	0.000022	0.0000054	0.00018	0.00047	0.0013	0.0019	0.00069	0.013
29	May	0.00017	4.4	0.049	0.0000035	0.00077	0.00097	1.9	0.00017	0.000019	0.0000053	0.00015	0.00041	0.0014	0.0022	0.00073	0.011
29	June	0.00017	4.0	0.045	0.0000047	0.00068	0.001	1.8	0.00017	0.000016	0.0000052	0.00013	0.00037	0.0015	0.0022	0.0008	0.0092
29	July	0.00015	4.0	0.047	0.000005	0.00077	0.001	1.8	0.00018	0.000015	0.0000054	0.00015	0.00039	0.0015	0.002	0.0008	0.011
29	August	0.00015	4.3	0.051	0.0000048	0.00089	0.00098	1.9	0.00019	0.000016	0.0000056	0.00018	0.00044	0.0015	0.0018	0.00078	0.013
29	September	0.00016	4.7	0.052	0.0000044	0.00098	0.00096	2.0	0.00019	0.000018	0.0000057	0.0002	0.00049	0.0015	0.0018	0.00078	0.014
29	October	0.00016	5.0	0.048	0.0000038	0.001	0.00092	2.1	0.00018	0.000021	0.0000056	0.0002	0.00051	0.0014	0.0017	0.00079	0.015
29	November	0.00016	5.0	0.042	0.0000033	0.001	0.00087	2.1	0.00017	0.000022	0.0000055	0.0002	0.0005	0.0013	0.0017	0.00078	0.015
29	December	0.00015	4.9	0.04	0.0000031	0.001	0.00085	2.1	0.00017	0.000023	0.0000055	0.0002	0.00049	0.0013	0.0016	0.00076	0.015
30	January	0.00015	4.9	0.039	0.000003	0.00099	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00075	0.015
30	February	0.00015	4.9	0.039	0.000003	0.00098	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00074	0.014
30	March	0.00016	4.9	0.039	0.0000029	0.00096	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00073	0.014
30	April	0.00016	4.8	0.046	0.0000027	0.00092	0.00084	2.0	0.00017	0.000022	0.0000054	0.00018	0.00047	0.0013	0.0019	0.00069	0.013
30	May	0.00017	4.4	0.049	0.0000035	0.00077	0.00097	1.9	0.00018	0.000019	0.0000053	0.00015	0.00041	0.0014	0.0022	0.00073	0.011
30	June	0.00017	4.0	0.045	0.0000047	0.00069	0.001	1.8	0.00018	0.000016	0.0000052	0.00013	0.00037	0.0015	0.0022	0.0008	0.0093
30	July	0.00015	4.0	0.047	0.000005	0.00077	0.001	1.8	0.00018	0.000015	0.0000054	0.00015	0.00039	0.0015	0.002	0.0008	0.011
30	August	0.00015	4.3	0.051	0.0000048	0.0009	0.00098	1.9	0.00019	0.000016	0.0000056	0.00018	0.00044	0.0015	0.0018	0.00078	0.013
30	September	0.00016	4.7	0.052	0.0000044	0.00099	0.00096	2.0	0.00019	0.000018	0.0000057	0.0002	0.00049	0.0015	0.0018	0.00078	0.015
30	October	0.00016	5.0	0.048	0.0000038	0.001	0.00092	2.1	0.00018	0.000021	0.0000056	0.0002	0.00051	0.0014	0.0017	0.00079	0.015
30	November	0.00016	5.0	0.042	0.0000033	0.001	0.00087	2.1	0.00018	0.000022	0.0000055	0.0002	0.00051	0.0013	0.0017	0.00078	0.015
30	December	0.00015	4.9	0.04	0.0000031	0.001	0.00085	2.1	0.00017	0.000023	0.0000055	0.0002	0.0005	0.0013	0.0016	0.00076	0.015
31	January	0.00015	4.9	0.039	0.000003	0.001	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00075	0.015
31	February	0.00015	4.9	0.039	0.000003	0.00098	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00074	0.014
31	March	0.00016	4.9	0.039	0.0000029	0.00096	0.00084	2.1	0.00017	0.000023	0.0000055	0.00019	0.00049	0.0013	0.0016	0.00073	0.014
31	April	0.00016	4.7	0.066	0.0000027	0.00092	0.00084	2.0	0.00017	0.000022	0.0000054	0.00018	0.00047	0.0013	0.0019	0.00069	0.013
31	May	0.00017	4.4	0.09	0.0000036	0.00078	0.00097	1.9	0.00018	0.000019	0.0000053	0.00015	0.00042	0.0014	0.0022	0.00074	0.01
31	June	0.00017	4.0	0.099	0.0000047	0.00069	0.001	1.8	0.00018	0.000016	0.0000053	0.00013	0.00037	0.0015	0.0022	0.00081	0.0087
31	July	0.00015	3.9	0.12	0.0000051	0.00078	0.001	1.8	0.00018	0.000015	0.0000055	0.00015	0.0004	0.0015	0.002	0.00082	0.01
31	August	0.00015	4.2	0.15	0.000005	0.00091	0.00098	1.9	0.00019	0.000017	0.0000057	0.00018	0.00045	0.0015	0.0019	0.00081	0.012
31	September	0.00016	4.6	0.16	0.0000046	0.001	0.00096	2.0	0.00019	0.000019	0.0000058	0.0002	0.00049	0.0015	0.0018	0.00081	0.013
31	October	0.00016	4.9	0.16	0.0000039	0.001	0.00092	2.1	0.00019	0.000021	0.0000057	0.0002	0.00052	0.0014	0.0017	0.00082	0.013
31	November	0.00016	4.9	0.16	0.0000035	0.001	0.00087	2.1	0.00018	0.000023	0.0000056	0.0002	0.00051	0.0014	0.0017	0.00081	0.014
31	December	0.00015	4.8	0.16	0.0000033	0.001	0.00085	2.1	0.00018	0.000024	0.0000056	0.0002	0.0005	0.0013	0.0016	0.0008	0.014
32	January	0.00015	4.8	0.15	0.0000032	0.001	0.00084	2.1	0.00018	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00078	0.013
32	February	0.00015	4.8	0.15	0.0000031	0.00099	0.00084	2.1	0.00017	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00078	0.013
32	March	0.00016	4.8	0.15	0.0000031	0.00097	0.00084	2.1	0.00017	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00076	0.013
32	April	0.00016	4.7	0.15	0.0000028	0.00093	0.00084	2.0	0.00018	0.000023	0.0000055	0.00018	0.00048	0.0013	0.0019	0.00072	0.012

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00017	4.3	0.13	0.0000036	0.00078	0.00097	1.9	0.00018	0.000019	0.0000054	0.00015	0.00042	0.0014	0.0022	0.00075	0.0097
32	June	0.00017	3.9	0.12	0.0000048	0.0007	0.001	1.8	0.00018	0.000016	0.0000053	0.00013	0.00037	0.0015	0.0022	0.00082	0.0084
32	July	0.00015	3.9	0.13	0.0000051	0.00078	0.001	1.8	0.00018	0.000015	0.0000055	0.00015	0.0004	0.0015	0.002	0.00083	0.01
32	August	0.00015	4.2	0.16	0.000005	0.00091	0.00098	1.9	0.00019	0.000017	0.0000057	0.00018	0.00045	0.0015	0.0019	0.00081	0.012
32	September	0.00016	4.6	0.17	0.0000046	0.001	0.00096	2.0	0.00019	0.000019	0.0000058	0.0002	0.0005	0.0015	0.0018	0.00081	0.013
32	October	0.00016	4.9	0.16	0.0000039	0.001	0.00092	2.1	0.00019	0.000021	0.0000057	0.0002	0.00052	0.0014	0.0017	0.00082	0.013
32	November	0.00016	4.9	0.16	0.0000035	0.001	0.00087	2.1	0.00018	0.000023	0.0000057	0.0002	0.00051	0.0014	0.0017	0.00082	0.014
32	December	0.00015	4.8	0.16	0.0000033	0.001	0.00085	2.1	0.00018	0.000024	0.0000056	0.0002	0.0005	0.0013	0.0016	0.0008	0.014
33	January	0.00015	4.8	0.16	0.0000032	0.001	0.00084	2.1	0.00018	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00078	0.013
33	February	0.00015	4.8	0.15	0.0000031	0.00099	0.00084	2.1	0.00017	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00078	0.013
33	March	0.00016	4.8	0.15	0.0000031	0.00097	0.00084	2.1	0.00017	0.000024	0.0000056	0.00019	0.0005	0.0013	0.0016	0.00076	0.013
33	April	0.00016	4.7	0.15	0.0000028	0.00093	0.00084	2.0	0.00018	0.000023	0.0000055	0.00018	0.00048	0.0013	0.0019	0.00072	0.012
33	May	0.00017	4.3	0.13	0.0000036	0.00078	0.00097	1.9	0.00018	0.000019	0.0000054	0.00015	0.00042	0.0014	0.0022	0.00075	0.0097
33	June	0.00017	3.9	0.12	0.0000048	0.0007	0.001	1.8	0.00018	0.000016	0.0000053	0.00013	0.00037	0.0015	0.0022	0.00082	0.0084
33	July	0.00015	3.9	0.13	0.0000051	0.00078	0.001	1.8	0.00018	0.000015	0.0000055	0.00015	0.0004	0.0015	0.002	0.00083	0.01
33	August	0.00015	4.2	0.16	0.000005	0.00091	0.00098	1.9	0.00019	0.000017	0.0000057	0.00018	0.00045	0.0015	0.0019	0.00081	0.012
33	September	0.00016	4.6	0.17	0.0000046	0.001	0.00096	2.0	0.00019	0.000019	0.0000058	0.0002	0.0005	0.0015	0.0018	0.00081	0.013
33	October	0.00016	4.9	0.16	0.0000039	0.001	0.00092	2.1	0.00019	0.000021	0.0000057	0.0002	0.00052	0.0014	0.0017	0.00082	0.013
33	November	0.00016	4.9	0.16	0.0000035	0.001	0.00087	2.1	0.00018	0.000023	0.0000057	0.0002	0.00051	0.0014	0.0017	0.00082	0.014
33	December	0.00015	4.8	0.16	0.0000033	0.001	0.00085	2.1	0.00018	0.000024	0.0000056	0.0002	0.0005	0.0013	0.0016	0.0008	0.014
34	January	0.00013	2.4	0.059	0.0000058	0.002	0.0006	2.6	0.00035	0.000032	0.0000071	0.00028	0.00088	0.0023	0.0027	0.001	0.0042
34	February	0.00012	1.5	0.024	0.0000067	0.0024	0.00052	2.7	0.00041	0.000034	0.0000076	0.00031	0.001	0.0027	0.0031	0.0011	0.00092
34	March	0.00013	1.6	0.024	0.0000065	0.0023	0.00053	2.7	0.0004	0.000034	0.0000075	0.0003	0.00099	0.0026	0.0031	0.0011	0.0009
34	April	0.00013	1.8	0.029	0.0000065	0.0022	0.00058	2.7	0.00041	0.000034	0.0000076	0.0003	0.00098	0.0026	0.0032	0.0011	0.00074
34	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00027	0.00091	0.0025	0.0031	0.0011	0.00055
34	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
34	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
34	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
34	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
34	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
34	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
34	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
35	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
35	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
35	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
35	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
35	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
35	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
35	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
35	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
35	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
35	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
35	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
35	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
36	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
36	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
36	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
36	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
36	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
36	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
36	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
36	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
36	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
36	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
36	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
36	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
37	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
37	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
37	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
37	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
37	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
37	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
37	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
37	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
37	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
37	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
37	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
38	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
38	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
38	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
38	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
38	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
38	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
38	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
38	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
38	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
38	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
38	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
38	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
39	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
39	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
39	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
39	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
39	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
39	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
39	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
39	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
39	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
39	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
39	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
39	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
40	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
40	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
40	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
40	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
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40	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
40	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
40	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
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40	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
41	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
41	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
41	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
41	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
41	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
41	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
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41	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
41	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
41	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
41	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
42	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
42	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
42	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
42	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
42	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
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42	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
42	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
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42	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
43	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
43	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
43	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
43	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
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46	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
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47	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
47	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
47	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
47	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
48	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
48	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
48	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
48	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
48	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
48	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
48	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
48	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
48	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
48	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
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48	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
49	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
49	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
49	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
49	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
49	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
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49	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
49	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
49	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
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49	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
50	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
50	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
50	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
50	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
50	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
50	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
50	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
50	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
50	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
50	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
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50	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
51	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
51	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
51	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
51	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
51	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
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51	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
51	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
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51	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
51	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
52	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
52	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
52	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
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52	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
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53	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
53	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
53	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
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54	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
54	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
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55	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
55	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
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Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
55	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
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56	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
56	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
56	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
56	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
56	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
56	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
56	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
56	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
56	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
56	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
56	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
56	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
57	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
57	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
57	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
57	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
57	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
57	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
57	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
57	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
57	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
57	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
57	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
57	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
58	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
58	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
58	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
58	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
58	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
58	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
58	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
58	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
58	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
58	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
58	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
58	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
59	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
59	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
59	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
59	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
59	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
59	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
59	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
59	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
59	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
59	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
59	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
59	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
60	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
60	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
60	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
60	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
60	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
60	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
60	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
60	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
60	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
60	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
60	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
61	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
61	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
61	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
61	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
61	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
61	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
61	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
61	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
61	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
61	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
61	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
61	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
62	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
62	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
62	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
62	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
62	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
62	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
62	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
62	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
62	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
62	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
62	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
62	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
63	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
63	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
63	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
63	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
63	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
63	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
63	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
63	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
63	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
63	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
63	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
63	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
64	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
64	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
64	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
64	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
64	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
64	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
64	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
64	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
64	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
64	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
64	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
64	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
65	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
65	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
65	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
65	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
65	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
65	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
65	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
65	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
65	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
65	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
65	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
66	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
66	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
66	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
66	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
66	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
66	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
66	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
66	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
66	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
66	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
66	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
66	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
67	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
67	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
67	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00043	0.0012	0.0028	0.0032	0.0016	0.0015
67	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
67	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
67	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
67	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
67	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
67	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
67	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
67	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
67	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
68	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
68	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
68	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
68	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
68	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
68	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
68	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
68	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
68	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
68	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
68	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
68	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
69	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
69	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
69	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
69	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
69	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
69	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
69	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
69	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086

Table G-13: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-1)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
69	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
69	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
69	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016
70	January	0.00012	2.8	0.042	0.0000085	0.0026	0.00095	4.6	0.00057	0.000051	0.0000098	0.00046	0.0012	0.0029	0.0033	0.0017	0.0015
70	February	0.00012	2.8	0.042	0.0000083	0.0025	0.00094	4.5	0.00056	0.000051	0.0000098	0.00045	0.0012	0.0029	0.0033	0.0016	0.0015
70	March	0.00013	2.9	0.042	0.0000081	0.0025	0.00094	4.4	0.00054	0.00005	0.0000096	0.00044	0.0012	0.0028	0.0032	0.0016	0.0015
70	April	0.00013	2.2	0.035	0.000007	0.0023	0.00072	3.3	0.00045	0.000039	0.0000083	0.00035	0.0011	0.0027	0.0032	0.0013	0.00093
70	May	0.00014	1.9	0.026	0.0000065	0.0021	0.00064	2.6	0.00038	0.000031	0.0000073	0.00028	0.00091	0.0025	0.0031	0.0011	0.00056
70	June	0.00013	1.7	0.024	0.0000068	0.0021	0.00061	2.6	0.00038	0.000031	0.0000074	0.00028	0.00093	0.0026	0.003	0.0011	0.00056
70	July	0.00012	1.8	0.029	0.0000074	0.0023	0.00065	3.0	0.00044	0.000036	0.0000081	0.00033	0.001	0.0027	0.0031	0.0012	0.00076
70	August	0.00013	2.0	0.032	0.0000076	0.0025	0.00067	3.3	0.00046	0.000038	0.0000084	0.00036	0.0011	0.0028	0.0032	0.0013	0.00086
70	September	0.00013	2.0	0.03	0.0000072	0.0024	0.00066	3.2	0.00045	0.000038	0.0000082	0.00035	0.0011	0.0027	0.0032	0.0012	0.00081
70	October	0.00013	2.2	0.028	0.000007	0.0024	0.00065	3.2	0.00044	0.000038	0.0000081	0.00034	0.0011	0.0027	0.0031	0.0012	0.00082
70	November	0.00012	2.4	0.036	0.000008	0.0026	0.00082	4.1	0.00052	0.000046	0.0000092	0.00042	0.0012	0.0029	0.0033	0.0015	0.0012
70	December	0.00012	2.7	0.043	0.0000088	0.0027	0.00096	4.8	0.00059	0.000053	0.00001	0.00048	0.0013	0.003	0.0034	0.0017	0.0016

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-6	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-5	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-4	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-3	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0044	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
-3	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.2	0.00045	0.0044	0.000014	0.005	0.00001	13	0.001	0.00045	0.00093	0.73
-3	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000093	13	0.001	0.00045	0.00091	0.72
-3	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-3	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-3	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-3	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
-2	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0044	0.000014	0.005	0.0000099	13	0.001	0.00045	0.00092	0.73
-2	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.2	0.00045	0.0044	0.000014	0.005	0.00001	13	0.001	0.00045	0.00093	0.73
-2	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000094	13	0.001	0.00045	0.00091	0.72
-2	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-2	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-2	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-2	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-2	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-2	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-2	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-2	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
-1	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0044	0.000014	0.005	0.0000099	13	0.001	0.00045	0.00092	0.73
-1	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.2	0.00045	0.0044	0.000014	0.005	0.00001	13	0.001	0.00045	0.00093	0.73
-1	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000094	13	0.001	0.00045	0.00091	0.72
-1	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-1	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-1	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
-1	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-1	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-1	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-1	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
-1	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
-1	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000094	13	0.001	0.00045	0.00091	0.72
1	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
1	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
1	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
1	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
1	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
1	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
1	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
2	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
2	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
2	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
2	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
2	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
2	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
2	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
3	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
3	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
3	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
3	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
3	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
3	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
3	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
4	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
4	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
4	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
4	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
4	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
4	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
4	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
4	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
4	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
4	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
4	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
5	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
5	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
5	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
5	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
5	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
5	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
5	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
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5	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
6	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
6	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
6	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
6	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
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6	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
6	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
6	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
6	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
7	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
7	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
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7	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
7	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
7	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
7	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
7	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
8	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
8	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
8	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
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8	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
8	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
8	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
8	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
8	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
8	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
8	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
8	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
9	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
9	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
9	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
9	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
9	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
9	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
9	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
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9	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
9	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
9	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
10	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
10	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
10	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
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10	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
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10	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
11	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
11	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
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11	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
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11	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
11	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
11	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
12	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
12	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
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12	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
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12	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
12	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
12	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
12	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
12	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
12	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
12	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
13	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
13	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
13	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
13	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
13	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
13	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
13	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
13	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
13	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
13	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
13	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
14	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
14	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
14	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
14	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
14	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
14	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
14	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
15	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
15	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
15	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
15	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
15	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
15	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
15	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
16	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
16	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
16	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
16	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
16	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
16	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
16	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
17	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
17	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
17	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
17	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
17	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
17	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
17	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
18	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
18	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
18	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
18	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
18	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
18	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
18	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
18	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
18	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
18	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
18	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
19	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
19	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
19	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
19	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
19	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
19	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
19	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
20	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
20	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
20	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
20	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
20	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
20	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
20	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
21	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
21	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
21	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
21	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
21	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
21	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
21	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
22	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
22	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
22	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
22	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
22	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
22	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
22	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
23	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
23	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
23	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
23	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
23	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
23	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
24	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
24	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
24	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
24	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
24	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
24	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
24	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
25	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
25	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
25	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
25	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
25	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
25	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
25	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
26	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000095	13	0.001	0.00045	0.00091	0.72
26	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000098	13	0.001	0.00045	0.00092	0.73
26	March	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000092	13	0.001	0.00045	0.00091	0.72
26	April	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	May	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	June	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	July	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
26	August	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	September	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	October	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
26	November	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.000009	13	0.001	0.00045	0.0009	0.72
26	December	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000091	13	0.001	0.00045	0.0009	0.72
27	January	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
27	February	3.2	0.05	0.03	0.015	0.023	1.0	0.005	0.19	0.00045	0.0043	0.000014	0.005	0.0000089	13	0.001	0.00045	0.0009	0.72
27	March	3.5	0.05	0.031	0.015	0.023	2.0	0.005	0.19	0.00055	0.0043	0.000013	0.0057	0.0000094	13	0.001	0.00045	0.00089	0.72
27	April	3.3	0.05	0.03	0.015	0.023	1.4	0.005	0.19	0.00049	0.0043	0.000013	0.0053	0.0000092	13	0.001	0.00045	0.0009	0.72
27	May	3.3	0.05	0.03	0.015	0.023	1.2	0.005	0.19	0.00047	0.0043	0.000013	0.0051	0.000009	13	0.001	0.00045	0.0009	0.72
27	June	3.3	0.05	0.03	0.015	0.022	1.2	0.005	0.19	0.00047	0.0043	0.000013	0.0051	0.000009	13	0.001	0.00045	0.0009	0.72
27	July	3.3	0.05	0.03	0.015	0.022	1.2	0.005	0.19	0.00047	0.0043	0.000013	0.0052	0.000009	13	0.001	0.00045	0.0009	0.72
27	August	3.3	0.05	0.03	0.015	0.022	1.3	0.005	0.19	0.00048	0.0043	0.000013	0.0052	0.000009	13	0.001	0.00045	0.0009	0.72

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	3.3	0.05	0.03	0.015	0.022	1.3	0.005	0.19	0.00048	0.0043	0.000013	0.0052	0.000009	13	0.001	0.00045	0.0009	0.72
27	October	3.3	0.05	0.03	0.015	0.022	1.2	0.005	0.19	0.00047	0.0043	0.000013	0.0051	0.000009	13	0.001	0.00045	0.0009	0.72
27	November	3.2	0.05	0.03	0.015	0.022	1.2	0.005	0.19	0.00046	0.0043	0.000013	0.0051	0.0000089	13	0.001	0.00044	0.00089	0.72
27	December	3.2	0.049	0.029	0.015	0.022	1.1	0.0049	0.18	0.00045	0.0042	0.000013	0.005	0.0000088	13	0.001	0.00044	0.00088	0.7
28	January	3	0.047	0.028	0.014	0.021	1.1	0.0047	0.17	0.00043	0.004	0.000013	0.0048	0.0000084	12	0.00096	0.00042	0.00084	0.67
28	February	3.2	0.05	0.03	0.015	0.022	1.0	0.005	0.19	0.00045	0.0043	0.000013	0.005	0.0000089	13	0.001	0.00044	0.0009	0.72
28	March	4.1	0.05	0.032	0.015	0.022	4.1	0.005	0.18	0.00075	0.0041	0.000013	0.007	0.00001	13	0.001	0.00046	0.00087	0.7
28	April	3.6	0.051	0.031	0.015	0.023	2.4	0.005	0.19	0.00059	0.0043	0.000013	0.0059	0.0000097	13	0.001	0.00045	0.0009	0.72
28	May	3.4	0.05	0.031	0.015	0.023	1.7	0.005	0.19	0.00052	0.0043	0.000013	0.0055	0.0000093	13	0.001	0.00045	0.0009	0.72
28	June	3.4	0.05	0.031	0.015	0.022	1.6	0.005	0.19	0.00051	0.0043	0.000013	0.0054	0.0000092	13	0.001	0.00045	0.0009	0.72
28	July	3.4	0.05	0.031	0.015	0.022	1.8	0.005	0.19	0.00052	0.0043	0.000013	0.0055	0.0000093	13	0.001	0.00045	0.00089	0.71
28	August	3.4	0.05	0.031	0.015	0.022	1.8	0.005	0.19	0.00053	0.0043	0.000013	0.0056	0.0000093	13	0.001	0.00045	0.00089	0.71
28	September	3.5	0.05	0.031	0.015	0.022	1.9	0.005	0.19	0.00054	0.0043	0.000013	0.0056	0.0000094	13	0.001	0.00045	0.00089	0.71
28	October	3.4	0.05	0.031	0.015	0.022	1.7	0.005	0.19	0.00052	0.0043	0.000013	0.0054	0.0000092	13	0.001	0.00045	0.00089	0.72
28	November	3.3	0.05	0.03	0.015	0.022	1.5	0.005	0.18	0.0005	0.0042	0.000013	0.0053	0.0000091	13	0.001	0.00044	0.00089	0.71
28	December	3.2	0.048	0.029	0.014	0.022	1.5	0.0048	0.18	0.00048	0.0041	0.000013	0.0051	0.0000088	13	0.00098	0.00043	0.00086	0.69
29	January	3	0.044	0.027	0.013	0.02	1.5	0.0044	0.16	0.00046	0.0038	0.000012	0.0048	0.0000082	12	0.0009	0.00039	0.00079	0.63
29	February	3.2	0.042	0.026	0.012	0.018	2.6	0.0041	0.15	0.00055	0.0035	0.000011	0.0053	0.0000083	11	0.00084	0.00038	0.00073	0.58
29	March	4.7	0.05	0.034	0.015	0.022	6.1	0.0049	0.17	0.00096	0.004	0.000013	0.0084	0.000011	14	0.00097	0.00046	0.00084	0.67
29	April	3.9	0.051	0.032	0.015	0.023	3.2	0.005	0.18	0.00068	0.0043	0.000013	0.0066	0.00001	14	0.001	0.00046	0.00089	0.71
29	May	3.5	0.051	0.031	0.015	0.023	2.1	0.005	0.19	0.00056	0.0043	0.000013	0.0058	0.0000095	13	0.001	0.00045	0.0009	0.72
29	June	3.5	0.05	0.031	0.015	0.022	2.0	0.005	0.19	0.00055	0.0043	0.000013	0.0057	0.0000094	13	0.001	0.00045	0.00089	0.72
29	July	3.6	0.05	0.031	0.015	0.022	2.3	0.005	0.18	0.00057	0.0042	0.000013	0.0058	0.0000095	13	0.001	0.00045	0.00089	0.71
29	August	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0042	0.000013	0.0059	0.0000096	13	0.001	0.00045	0.00089	0.71
29	September	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0042	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.71
29	October	3.5	0.05	0.031	0.015	0.022	2.1	0.005	0.18	0.00056	0.0042	0.000013	0.0057	0.0000095	13	0.001	0.00045	0.00089	0.71
29	November	3.4	0.05	0.03	0.015	0.022	1.8	0.0049	0.18	0.00053	0.0042	0.000013	0.0055	0.0000093	13	0.001	0.00044	0.00088	0.71
29	December	3.3	0.047	0.029	0.014	0.021	1.9	0.0047	0.17	0.00052	0.004	0.000013	0.0053	0.0000089	13	0.00096	0.00042	0.00084	0.67
30	January	3.1	0.042	0.026	0.013	0.019	2.1	0.0042	0.15	0.0005	0.0035	0.000011	0.005	0.0000081	11	0.00085	0.00038	0.00074	0.59
30	February	3.3	0.039	0.026	0.011	0.017	3.7	0.0038	0.14	0.00064	0.0032	0.00001	0.0058	0.0000084	11	0.00077	0.00036	0.00067	0.54
30	March	5.2	0.05	0.035	0.014	0.021	8.0	0.0048	0.17	0.0011	0.0039	0.000012	0.0096	0.000012	14	0.00095	0.00046	0.00081	0.65
30	April	4.1	0.051	0.033	0.015	0.023	4.0	0.0051	0.18	0.00076	0.0042	0.000013	0.0071	0.000011	14	0.001	0.00046	0.00089	0.71
30	May	3.7	0.051	0.031	0.015	0.023	2.5	0.005	0.19	0.0006	0.0043	0.000013	0.006	0.0000098	13	0.001	0.00045	0.00089	0.72
30	June	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0043	0.000013	0.0059	0.0000096	13	0.001	0.00045	0.00089	0.71
30	July	3.7	0.05	0.031	0.015	0.022	2.7	0.005	0.18	0.00062	0.0042	0.000013	0.0062	0.0000098	13	0.001	0.00045	0.00088	0.7
30	August	3.8	0.05	0.031	0.015	0.022	2.9	0.005	0.18	0.00064	0.0042	0.000013	0.0063	0.0000099	13	0.001	0.00045	0.00088	0.7
30	September	3.8	0.05	0.032	0.015	0.022	3.0	0.005	0.18	0.00065	0.0042	0.000013	0.0063	0.00001	13	0.001	0.00045	0.00088	0.71
30	October	3.6	0.05	0.031	0.015	0.022	2.5	0.005	0.18	0.0006	0.0042	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.71
30	November	3.5	0.05	0.031	0.015	0.022	2.2	0.0049	0.18	0.00056	0.0042	0.000013	0.0057	0.0000094	13	0.001	0.00044	0.00088	0.7
30	December	3.4	0.047	0.029	0.014	0.021	2.2	0.0047	0.17	0.00055	0.004	0.000012	0.0055	0.0000089	12	0.00095	0.00042	0.00083	0.66
31	January	3.1	0.041	0.026	0.012	0.018	2.3	0.0041	0.15	0.00052	0.0034	0.000011	0.0051	0.000008	11	0.00083	0.00037	0.00072	0.57
31	February	3.4	0.038	0.025	0.011	0.017	3.9	0.0037	0.13	0.00066	0.0031	0.0000096	0.0059	0.0000082	10	0.00074	0.00034	0.00064	0.51
31	March	5.2	0.05	0.035	0.014	0.021	8.0	0.0048	0.17	0.0012	0.0038	0.000012	0.0096	0.000012	14	0.00094	0.00046	0.0008	0.64
31	April	4.2	0.051	0.033	0.015	0.023	4.0	0.0051	0.18	0.00077	0.0042	0.000013	0.0071	0.000011	14	0.001	0.00046	0.00089	0.71
31	May	3.7	0.051	0.032	0.015	0.023	2.5	0.005	0.19	0.0006	0.0043	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.72
31	June	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0042	0.000013	0.0059	0.0000096	13	0.001	0.00045	0.00089	0.71
31	July	3.7	0.05	0.031	0.015	0.022	2.8	0.005	0.18	0.00063	0.0042	0.000013	0.0062	0.0000097	13	0.001	0.00045	0.00088	0.7
31	August	3.8	0.05	0.032	0.015	0.022	2.9	0.005	0.18	0.00065	0.0042	0.000013	0.0063	0.0000098	13	0.001	0.00045	0.00088	0.7
31	September	3.8	0.051	0.032	0.015	0.022	3.0	0.005	0.18	0.00065	0.0042	0.000013	0.0064	0.0000099	13	0.001	0.00045	0.00088	0.71
31	October	3.7	0.05	0.031	0.015	0.022	2.5	0.005	0.18	0.0006	0.0042	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.71
31	November	3.5	0.05	0.031	0.015	0.022	2.2	0.0049	0.18	0.00057	0.0042	0.000013	0.0058	0.0000094	13	0.001	0.00044	0.00088	0.7
31	December	3.4	0.047	0.029	0.014	0.021	2.2	0.0047	0.17	0.00055	0.004	0.000012	0.0055	0.0000089	12	0.00095	0.00042	0.00083	0.66
32	January	3.1	0.041	0.026	0.012	0.018	2.3	0.0041	0.15	0.00052	0.0034	0.000011	0.0051	0.000008	11	0.00083	0.00037	0.00072	0.57
32	February	3.3	0.038	0.025	0.011	0.017	3.9	0.0037	0.13	0.00066	0.0031	0.0000096	0.0059	0.0000082	10	0.00074	0.00034	0.00064	0.51
32	March	5.2	0.05	0.035	0.014	0.021	8.0	0.0048	0.17	0.0012	0.0038	0.000012	0.0096	0.000012	14	0.00094	0.00046	0.0008	0.64
32	April	4.2	0.051	0.033	0.015	0.023	4.0	0.0051	0.18	0.00076	0.0042	0.000013	0.0071	0.000011	14	0.001	0.00046	0.00089	0.71

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	3.7	0.051	0.032	0.015	0.023	2.5	0.005	0.19	0.0006	0.0043	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.72
32	June	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0042	0.000013	0.0059	0.0000096	13	0.001	0.00045	0.00089	0.71
32	July	3.7	0.05	0.031	0.015	0.022	2.7	0.005	0.18	0.00063	0.0042	0.000013	0.0062	0.0000097	13	0.001	0.00045	0.00088	0.7
32	August	3.8	0.05	0.032	0.015	0.022	2.9	0.005	0.18	0.00065	0.0042	0.000013	0.0063	0.0000098	13	0.001	0.00045	0.00088	0.7
32	September	3.8	0.05	0.032	0.015	0.022	3.0	0.005	0.18	0.00065	0.0042	0.000013	0.0064	0.0000099	13	0.001	0.00045	0.00088	0.71
32	October	3.7	0.05	0.031	0.015	0.022	2.5	0.005	0.18	0.0006	0.0042	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.71
32	November	3.5	0.05	0.031	0.015	0.022	2.2	0.0049	0.18	0.00057	0.0042	0.000013	0.0058	0.0000094	13	0.001	0.00044	0.00088	0.7
32	December	3.4	0.047	0.029	0.014	0.021	2.2	0.0047	0.17	0.00055	0.004	0.000012	0.0055	0.0000089	12	0.00095	0.00042	0.00083	0.66
33	January	3.1	0.041	0.026	0.012	0.018	2.3	0.0041	0.15	0.00052	0.0034	0.000011	0.0051	0.000008	11	0.00083	0.00037	0.00072	0.57
33	February	3.3	0.038	0.025	0.011	0.017	3.9	0.0037	0.13	0.00066	0.0031	0.0000096	0.0059	0.0000082	10	0.00074	0.00034	0.00064	0.51
33	March	5.2	0.05	0.035	0.014	0.021	8.0	0.0048	0.17	0.0012	0.0038	0.000012	0.0096	0.000012	14	0.00094	0.00046	0.0008	0.64
33	April	4.2	0.051	0.033	0.015	0.023	4.0	0.0051	0.18	0.00076	0.0042	0.000013	0.0071	0.000011	14	0.001	0.00046	0.00089	0.71
33	May	3.7	0.051	0.032	0.015	0.023	2.5	0.005	0.19	0.0006	0.0043	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.72
33	June	3.6	0.05	0.031	0.015	0.022	2.4	0.005	0.18	0.00059	0.0042	0.000013	0.0059	0.0000096	13	0.001	0.00045	0.00089	0.71
33	July	3.7	0.05	0.031	0.015	0.022	2.7	0.005	0.18	0.00063	0.0042	0.000013	0.0062	0.0000097	13	0.001	0.00045	0.00088	0.7
33	August	3.8	0.05	0.032	0.015	0.022	2.9	0.005	0.18	0.00065	0.0042	0.000013	0.0063	0.0000098	13	0.001	0.00045	0.00088	0.7
33	September	3.8	0.05	0.032	0.015	0.022	3.0	0.005	0.18	0.00065	0.0042	0.000013	0.0064	0.0000099	13	0.001	0.00045	0.00088	0.71
33	October	3.7	0.05	0.031	0.015	0.022	2.5	0.005	0.18	0.0006	0.0042	0.000013	0.006	0.0000097	13	0.001	0.00045	0.00089	0.71
33	November	3.5	0.05	0.031	0.015	0.022	2.2	0.0049	0.18	0.00057	0.0042	0.000013	0.0058	0.0000094	13	0.001	0.00044	0.00088	0.7
33	December	3.3	0.047	0.029	0.014	0.021	2.0	0.0046	0.17	0.00053	0.004	0.000012	0.0054	0.0000088	12	0.00095	0.00042	0.00083	0.66
34	January	2.8	0.04	0.025	0.012	0.018	1.6	0.004	0.15	0.00044	0.0034	0.000011	0.0046	0.0000075	11	0.00082	0.00036	0.00072	0.57
34	February	2.8	0.037	0.023	0.011	0.016	2.4	0.0036	0.13	0.0005	0.0031	0.0000096	0.0048	0.0000073	9.9	0.00074	0.00033	0.00064	0.51
34	March	5	0.05	0.035	0.014	0.021	7.4	0.0048	0.17	0.0011	0.0038	0.000012	0.0092	0.000012	14	0.00094	0.00045	0.0008	0.64
34	April	2.6	0.043	0.041	0.011	0.028	2.7	0.0037	0.12	0.00049	0.0031	0.000012	0.0062	0.0000069	14	0.00068	0.00029	0.00091	0.55
34	May	2.5	0.043	0.039	0.011	0.027	1.8	0.0038	0.13	0.00041	0.0033	0.000012	0.0056	0.0000067	14	0.00071	0.0003	0.00092	0.57
34	June	2.2	0.041	0.041	0.01	0.028	1.7	0.0035	0.12	0.00037	0.003	0.000012	0.0055	0.000006	14	0.00063	0.00026	0.00092	0.53
34	July	2.1	0.04	0.042	0.0096	0.029	1.9	0.0034	0.11	0.00038	0.0029	0.000011	0.0056	0.0000059	14	0.0006	0.00025	0.00092	0.51
34	August	2.2	0.041	0.041	0.0099	0.028	2.0	0.0035	0.12	0.0004	0.003	0.000012	0.0057	0.0000061	14	0.00062	0.00026	0.00091	0.52
34	September	2.3	0.041	0.041	0.01	0.028	2.0	0.0035	0.12	0.0004	0.003	0.000012	0.0057	0.0000062	14	0.00064	0.00027	0.00092	0.53
34	October	2.4	0.042	0.039	0.011	0.027	1.7	0.0038	0.13	0.00039	0.0032	0.000012	0.0055	0.0000065	14	0.0007	0.00029	0.00091	0.56
34	November	3.3	0.049	0.03	0.015	0.022	1.6	0.0049	0.18	0.0005	0.0042	0.000013	0.0053	0.000009	13	0.001	0.00043	0.00088	0.7
34	December	3.1	0.046	0.028	0.014	0.021	1.5	0.0046	0.17	0.00048	0.004	0.000012	0.005	0.0000085	12	0.00095	0.00041	0.00083	0.66
35	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
35	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
35	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
35	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
35	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
35	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
35	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
35	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
35	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
35	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
35	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
35	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
36	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
36	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
36	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
36	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
36	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
36	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
36	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
36	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
36	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
36	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
36	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
36	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
37	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
37	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
37	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
37	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
37	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
37	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
37	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
37	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
37	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
37	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
37	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
38	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
38	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
38	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
38	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
38	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
38	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
38	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
38	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
38	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
38	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
38	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
38	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
39	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
39	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
39	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
39	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
39	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
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39	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
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39	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
39	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
40	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
40	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
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40	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
40	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
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40	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
40	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
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40	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
40	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
40	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
41	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
41	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
41	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
41	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
41	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
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41	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
41	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
41	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
41	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
41	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
42	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
42	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
42	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
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42	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
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42	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
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43	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
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43	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
43	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
43	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
43	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
43	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
43	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
44	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
44	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
44	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
44	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
44	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
44	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
44	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
44	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
44	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
44	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
44	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
44	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
45	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
45	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
45	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
45	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
45	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
45	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
45	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
45	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
45	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
45	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
45	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
45	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
46	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
46	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
46	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
46	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
46	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
46	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
46	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
46	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
46	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
46	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
46	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
47	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
47	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
47	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
47	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
47	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
47	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
47	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
47	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
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47	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
47	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
47	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
48	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
48	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
48	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
48	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
48	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
48	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
48	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
48	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
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48	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
48	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
48	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
49	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
49	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
49	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
49	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
49	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
49	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
49	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
49	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
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49	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
49	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
49	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
50	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
50	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
50	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
50	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
50	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
50	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
50	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
50	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
50	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
50	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
50	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
50	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
51	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
51	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
51	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
51	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
51	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
51	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
51	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
51	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
51	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
51	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
51	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
52	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
52	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
52	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
52	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
52	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
52	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
52	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
52	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
52	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
52	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
52	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
52	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
53	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
53	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
53	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
53	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
53	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
53	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
53	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
53	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
53	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
53	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
53	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
53	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
54	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
54	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
54	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
54	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
54	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
54	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
54	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
54	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
54	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
54	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
54	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
54	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
55	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
55	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
55	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
55	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
55	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
55	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
55	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
55	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
55	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
55	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
55	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
56	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
56	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
56	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
56	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
56	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
56	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
56	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
56	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
56	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
56	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
56	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
56	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
57	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
57	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
57	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
57	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
57	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
57	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
57	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
57	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
57	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
57	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
57	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
57	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
58	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
58	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
58	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
58	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
58	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
58	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
58	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
58	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
58	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
58	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
58	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
58	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
59	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
59	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
59	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
59	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
59	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
59	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
59	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
59	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
59	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
59	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
59	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
59	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
60	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
60	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
60	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
60	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
60	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
60	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
60	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
60	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
60	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
60	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
60	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
61	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
61	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
61	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
61	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
61	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
61	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
61	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
61	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
61	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
61	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
61	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
61	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
62	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
62	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
62	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
62	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
62	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
62	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
62	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
62	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
62	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
62	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
62	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
62	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
63	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
63	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
63	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
63	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
63	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
63	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
63	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
63	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
63	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
63	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
63	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
63	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
64	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
64	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
64	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
64	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
64	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
64	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
64	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
64	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
64	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
64	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
64	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
64	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
65	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
65	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
65	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
65	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
65	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
65	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
65	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
65	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
65	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
65	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
65	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
66	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
66	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
66	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
66	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
66	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
66	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
66	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
66	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
66	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
66	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
66	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
66	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
67	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
67	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
67	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
67	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
67	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
67	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
67	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000057	14	0.0006	0.00025	0.00092	0.51
67	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
67	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
67	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
67	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
67	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
68	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
68	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
68	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
68	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
68	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
68	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
68	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
68	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
68	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
68	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
68	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
68	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
69	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
69	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
69	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
69	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
69	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
69	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
69	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
69	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
69	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
69	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
69	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00045	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66
70	January	2.7	0.04	0.025	0.012	0.018	1.3	0.004	0.15	0.00041	0.0034	0.000011	0.0043	0.0000074	11	0.00082	0.00036	0.00072	0.57
70	February	2.6	0.037	0.023	0.011	0.016	1.7	0.0036	0.13	0.00042	0.0031	0.0000096	0.0043	0.0000069	9.8	0.00074	0.00033	0.00064	0.51
70	March	4.1	0.05	0.035	0.014	0.021	4.8	0.0048	0.17	0.0008	0.0038	0.000012	0.0074	0.00001	13	0.00094	0.00043	0.0008	0.64
70	April	2.4	0.043	0.041	0.011	0.028	2.0	0.0037	0.12	0.00042	0.0031	0.000012	0.0057	0.0000065	14	0.00068	0.00029	0.00091	0.55
70	May	2.3	0.043	0.039	0.011	0.027	1.5	0.0038	0.13	0.00038	0.0033	0.000012	0.0054	0.0000065	14	0.00071	0.0003	0.00092	0.57
70	June	2.1	0.041	0.041	0.01	0.028	1.4	0.0035	0.12	0.00034	0.003	0.000012	0.0053	0.0000058	14	0.00063	0.00026	0.00092	0.53
70	July	2	0.04	0.042	0.0096	0.029	1.5	0.0034	0.11	0.00034	0.0029	0.000011	0.0054	0.0000056	14	0.0006	0.00025	0.00092	0.51
70	August	2.1	0.041	0.041	0.0099	0.028	1.6	0.0035	0.12	0.00035	0.003	0.000012	0.0054	0.0000058	14	0.00062	0.00026	0.00091	0.52
70	September	2.1	0.041	0.041	0.01	0.028	1.6	0.0035	0.12	0.00036	0.003	0.000012	0.0054	0.000006	14	0.00064	0.00026	0.00092	0.53
70	October	2.3	0.042	0.039	0.011	0.027	1.4	0.0038	0.13	0.00036	0.0032	0.000012	0.0053	0.0000064	14	0.0007	0.00029	0.00091	0.56
70	November	3.2	0.049	0.03	0.015	0.022	1.4	0.0049	0.18	0.00047	0.0042	0.000013	0.0052	0.0000088	13	0.001	0.00043	0.00088	0.7
70	December	3.1	0.046	0.028	0.014	0.021	1.3	0.0046	0.17	0.00046	0.004	0.000012	0.0049	0.0000084	12	0.00095	0.00041	0.00083	0.66

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	February	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	March	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-6	December	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	January	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	February	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	March	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-5	December	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	January	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	February	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	March	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-4	December	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	January	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
-3	February	0.00017	4.2	0.06	0.0000047	0.00021	0.00092	0.76	0.00014	0.000025	0.0000061	0.000031	0.000077	0.00081	0.0032	0.001	0.00043
-3	March	0.00013	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
-3	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-3	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
-2	January	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0032	0.001	0.00043
-2	February	0.00017	4.2	0.06	0.0000047	0.00021	0.00092	0.76	0.00014	0.000025	0.0000061	0.000031	0.000077	0.00081	0.0032	0.001	0.00043
-2	March	0.00013	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
-2	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-2	December	0.00013	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
-1	January	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0032	0.001	0.00043
-1	February	0.00017	4.2	0.06	0.0000047	0.00021	0.00092	0.76	0.00014	0.000025	0.0000061	0.000031	0.000077	0.00081	0.0032	0.001	0.00043
-1	March	0.00013	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
-1	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
-1	December	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.0031	0.001	0.00043
1	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
1	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
1	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
1	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
2	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
2	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
2	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
3	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
3	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
3	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
4	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
4	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
4	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
5	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
5	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
5	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
6	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
6	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
6	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
7	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
7	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
7	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
7	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
7	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
7	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
7	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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7	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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8	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
8	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
8	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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8	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
8	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
8	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
8	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
8	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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8	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
9	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
9	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
9	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
9	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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13	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
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Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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14	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
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14	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
15	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
15	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
15	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
16	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
16	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
16	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
17	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
17	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
17	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
18	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
18	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
18	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
19	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
19	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
19	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
20	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
20	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
20	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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20	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
21	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
21	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
21	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
21	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
21	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
21	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
21	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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22	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
22	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
22	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
22	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
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22	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
23	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
23	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
23	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
24	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
24	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
24	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
25	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
25	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
25	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	January	0.00014	4.2	0.06	0.0000046	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
26	February	0.00015	4.2	0.06	0.0000047	0.00021	0.00091	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.00081	0.0031	0.001	0.00043
26	March	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	April	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	May	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	June	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	July	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	August	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	September	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	October	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	November	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
26	December	0.00013	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
27	January	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
27	February	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
27	March	0.00012	4.4	0.061	0.0000049	0.00027	0.00099	0.94	0.00016	0.000026	0.0000066	0.000041	0.000094	0.00082	0.003	0.001	0.00043
27	April	0.00012	4.3	0.061	0.0000048	0.00024	0.00094	0.84	0.00015	0.000025	0.0000063	0.000035	0.000085	0.00081	0.003	0.001	0.00043
27	May	0.00012	4.3	0.06	0.0000047	0.00022	0.00092	0.79	0.00014	0.000025	0.0000061	0.000032	0.000081	0.00081	0.003	0.001	0.00043
27	June	0.00012	4.3	0.06	0.0000047	0.00022	0.00092	0.79	0.00014	0.000025	0.0000061	0.000032	0.00008	0.0008	0.003	0.001	0.00043
27	July	0.00012	4.3	0.06	0.0000047	0.00022	0.00092	0.8	0.00014	0.000025	0.0000061	0.000033	0.000081	0.0008	0.003	0.001	0.00043
27	August	0.00012	4.3	0.06	0.0000047	0.00023	0.00092	0.8	0.00014	0.000025	0.0000061	0.000033	0.000081	0.0008	0.003	0.001	0.00043

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00012	4.3	0.06	0.0000047	0.00023	0.00092	0.8	0.00014	0.000025	0.0000061	0.000033	0.000082	0.00081	0.003	0.001	0.00043
27	October	0.00012	4.2	0.06	0.0000047	0.00022	0.00092	0.79	0.00014	0.000025	0.0000061	0.000032	0.00008	0.0008	0.003	0.001	0.00043
27	November	0.00012	4.2	0.06	0.0000047	0.00022	0.00091	0.78	0.00014	0.000025	0.0000061	0.000032	0.000079	0.0008	0.003	0.001	0.00043
27	December	0.00012	4.2	0.059	0.0000046	0.00021	0.00089	0.76	0.00014	0.000025	0.000006	0.000031	0.000078	0.00079	0.0029	0.00098	0.00042
28	January	0.00011	4	0.056	0.0000044	0.0002	0.00085	0.73	0.00013	0.000023	0.0000057	0.000029	0.000074	0.00075	0.0028	0.00094	0.0004
28	February	0.00012	4.2	0.06	0.0000046	0.00021	0.0009	0.75	0.00014	0.000025	0.000006	0.00003	0.000077	0.0008	0.003	0.001	0.00043
28	March	0.00011	4.8	0.062	0.0000053	0.00039	0.0012	1.3	0.00019	0.000027	0.0000076	0.000065	0.00013	0.00087	0.003	0.001	0.00043
28	April	0.00012	4.5	0.062	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00084	0.003	0.001	0.00044
28	May	0.00012	4.4	0.061	0.0000048	0.00025	0.00096	0.88	0.00015	0.000025	0.0000064	0.000038	0.000088	0.00082	0.003	0.001	0.00043
28	June	0.00012	4.3	0.061	0.0000048	0.00025	0.00096	0.87	0.00015	0.000025	0.0000063	0.000037	0.000087	0.00081	0.003	0.001	0.00043
28	July	0.00012	4.4	0.06	0.0000048	0.00025	0.00097	0.9	0.00015	0.000025	0.0000064	0.000039	0.00009	0.00082	0.003	0.001	0.00043
28	August	0.00012	4.4	0.061	0.0000048	0.00026	0.00098	0.91	0.00015	0.000025	0.0000064	0.00004	0.000091	0.00082	0.003	0.001	0.00043
28	September	0.00012	4.4	0.061	0.0000048	0.00026	0.00098	0.92	0.00015	0.000025	0.0000065	0.00004	0.000092	0.00082	0.003	0.001	0.00043
28	October	0.00012	4.3	0.06	0.0000048	0.00025	0.00096	0.88	0.00015	0.000025	0.0000064	0.000037	0.000088	0.00081	0.003	0.001	0.00043
28	November	0.00012	4.3	0.06	0.0000047	0.00024	0.00094	0.84	0.00015	0.000025	0.0000062	0.000035	0.000085	0.00081	0.003	0.001	0.00043
28	December	0.00011	4.1	0.058	0.0000046	0.00023	0.00091	0.82	0.00014	0.000024	0.000006	0.000034	0.000082	0.00078	0.0029	0.00097	0.00041
29	January	0.0001	3.8	0.053	0.0000042	0.00022	0.00085	0.78	0.00013	0.000022	0.0000056	0.000033	0.000078	0.00072	0.0026	0.00089	0.00038
29	February	0.000096	3.9	0.051	0.0000043	0.00028	0.00091	0.97	0.00014	0.000022	0.0000059	0.000045	0.000094	0.0007	0.0025	0.00086	0.00036
29	March	0.00011	5.2	0.063	0.0000058	0.00051	0.0014	1.7	0.00021	0.000027	0.0000087	0.000088	0.00016	0.0009	0.003	0.0011	0.00043
29	April	0.00012	4.7	0.062	0.0000052	0.00034	0.0011	1.2	0.00018	0.000027	0.0000073	0.000056	0.00012	0.00086	0.0031	0.001	0.00044
29	May	0.00012	4.5	0.061	0.0000049	0.00028	0.001	0.96	0.00016	0.000026	0.0000066	0.000043	0.000096	0.00083	0.003	0.001	0.00043
29	June	0.00012	4.4	0.061	0.0000049	0.00027	0.00099	0.94	0.00016	0.000026	0.0000066	0.000041	0.000094	0.00082	0.003	0.001	0.00043
29	July	0.00012	4.5	0.061	0.0000049	0.00028	0.001	0.99	0.00016	0.000026	0.0000067	0.000044	0.000098	0.00083	0.003	0.001	0.00043
29	August	0.00012	4.5	0.061	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000067	0.000046	0.0001	0.00083	0.003	0.001	0.00043
29	September	0.00012	4.5	0.061	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00083	0.003	0.001	0.00043
29	October	0.00012	4.4	0.061	0.0000049	0.00027	0.001	0.96	0.00016	0.000026	0.0000066	0.000043	0.000096	0.00082	0.003	0.001	0.00043
29	November	0.00012	4.3	0.06	0.0000048	0.00026	0.00097	0.91	0.00015	0.000025	0.0000064	0.000039	0.000091	0.00081	0.003	0.001	0.00043
29	December	0.00011	4.2	0.057	0.0000046	0.00025	0.00093	0.88	0.00015	0.000024	0.0000062	0.000039	0.000088	0.00077	0.0028	0.00096	0.00041
30	January	0.000098	3.8	0.051	0.0000042	0.00025	0.00087	0.87	0.00014	0.000022	0.0000057	0.00004	0.000086	0.0007	0.0025	0.00086	0.00036
30	February	0.000088	3.9	0.049	0.0000043	0.00034	0.00096	1.1	0.00015	0.000021	0.0000062	0.000057	0.00011	0.00068	0.0024	0.00082	0.00034
30	March	0.00011	5.6	0.064	0.0000062	0.00062	0.0015	2.1	0.00024	0.000028	0.0000096	0.00011	0.00019	0.00094	0.003	0.0011	0.00043
30	April	0.00012	4.9	0.063	0.0000054	0.00039	0.0012	1.3	0.00019	0.000027	0.0000077	0.000065	0.00013	0.00088	0.0031	0.0011	0.00044
30	May	0.00012	4.6	0.062	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000069	0.000047	0.0001	0.00084	0.003	0.001	0.00044
30	June	0.00012	4.5	0.061	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00083	0.003	0.001	0.00043
30	July	0.00012	4.6	0.061	0.000005	0.00031	0.0011	1.1	0.00017	0.000026	0.0000069	0.00005	0.00011	0.00084	0.003	0.001	0.00043
30	August	0.00012	4.6	0.061	0.0000051	0.00032	0.0011	1.1	0.00017	0.000026	0.000007	0.000052	0.00011	0.00084	0.003	0.001	0.00043
30	September	0.00012	4.6	0.062	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.0000071	0.000053	0.00011	0.00085	0.003	0.001	0.00043
30	October	0.00012	4.5	0.061	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000068	0.000047	0.0001	0.00083	0.003	0.001	0.00043
30	November	0.00012	4.4	0.06	0.0000049	0.00028	0.001	0.97	0.00016	0.000025	0.0000066	0.000043	0.000096	0.00082	0.003	0.001	0.00043
30	December	0.00011	4.2	0.057	0.0000046	0.00027	0.00095	0.94	0.00015	0.000024	0.0000063	0.000042	0.000093	0.00077	0.0028	0.00095	0.0004
31	January	0.000095	3.8	0.05	0.0000041	0.00026	0.00086	0.91	0.00014	0.000021	0.0000057	0.000042	0.000089	0.00069	0.0025	0.00084	0.00035
31	February	0.000085	3.8	0.047	0.0000042	0.00035	0.00095	1.2	0.00015	0.00002	0.0000062	0.00006	0.00011	0.00067	0.0023	0.0008	0.00033
31	March	0.00011	5.6	0.063	0.0000061	0.00063	0.0015	2.1	0.00024	0.000028	0.0000096	0.00011	0.0002	0.00093	0.0029	0.0011	0.00043
31	April	0.00012	4.9	0.063	0.0000054	0.0004	0.0012	1.4	0.00019	0.000027	0.0000078	0.000066	0.00013	0.00088	0.0031	0.0011	0.00044
31	May	0.00012	4.6	0.062	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000069	0.000048	0.0001	0.00084	0.003	0.001	0.00044
31	June	0.00012	4.5	0.061	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00083	0.003	0.001	0.00043
31	July	0.00012	4.6	0.061	0.000005	0.00032	0.001	1.1	0.00017	0.000026	0.0000069	0.00005	0.00011	0.00084	0.003	0.001	0.00043
31	August	0.00012	4.6	0.061	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.000007	0.000053	0.00011	0.00084	0.003	0.001	0.00043
31	September	0.00012	4.7	0.062	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.0000071	0.000053	0.00011	0.00085	0.003	0.001	0.00043
31	October	0.00012	4.5	0.061	0.000005	0.0003	0.001	1.1	0.00016	0.000026	0.0000068	0.000048	0.0001	0.00084	0.003	0.001	0.00043
31	November	0.00012	4.4	0.06	0.0000049	0.00028	0.00099	0.98	0.00016	0.000025	0.0000066	0.000044	0.000097	0.00082	0.003	0.001	0.00043
31	December	0.00011	4.2	0.057	0.0000046	0.00027	0.00095	0.95	0.00015	0.000024	0.0000063	0.000043	0.000094	0.00078	0.0028	0.00095	0.0004
32	January	0.000095	3.8	0.05	0.0000041	0.00026	0.00086	0.91	0.00014	0.000021	0.0000057	0.000042	0.000089	0.00069	0.0025	0.00084	0.00035
32	February	0.000085	3.8	0.047	0.0000042	0.00035	0.00095	1.2	0.00015	0.00002	0.0000062	0.000059	0.00011	0.00067	0.0023	0.0008	0.00033
32	March	0.00011	5.6	0.063	0.0000061	0.00063	0.0015	2.1	0.00024	0.000028	0.0000096	0.00011	0.0002	0.00093	0.0029	0.0011	0.00043
32	April	0.00012	4.9	0.063	0.0000054	0.0004	0.0012	1.4	0.00019	0.000027	0.0000077	0.000066	0.00013	0.00088	0.0031	0.0011	0.00044

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00012	4.6	0.062	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000069	0.000047	0.0001	0.00084	0.003	0.001	0.00044
32	June	0.00012	4.5	0.061	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00083	0.003	0.001	0.00043
32	July	0.00012	4.6	0.061	0.000005	0.00032	0.001	1.1	0.00017	0.000026	0.0000069	0.00005	0.00011	0.00084	0.003	0.001	0.00043
32	August	0.00012	4.6	0.061	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.000007	0.000053	0.00011	0.00084	0.003	0.001	0.00043
32	September	0.00012	4.6	0.062	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.0000071	0.000053	0.00011	0.00085	0.003	0.001	0.00043
32	October	0.00012	4.5	0.061	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000068	0.000048	0.0001	0.00084	0.003	0.001	0.00043
32	November	0.00012	4.4	0.06	0.0000049	0.00028	0.00099	0.98	0.00016	0.000025	0.0000066	0.000044	0.000097	0.00082	0.003	0.001	0.00043
32	December	0.00011	4.2	0.057	0.0000046	0.00027	0.00095	0.95	0.00015	0.000024	0.0000063	0.000043	0.000093	0.00077	0.0028	0.00095	0.0004
33	January	0.000095	3.8	0.05	0.0000041	0.00026	0.00086	0.91	0.00014	0.000021	0.0000057	0.000042	0.000089	0.00069	0.0025	0.00084	0.00035
33	February	0.000085	3.8	0.047	0.0000042	0.00035	0.00095	1.2	0.00015	0.00002	0.0000062	0.000059	0.00011	0.00067	0.0023	0.0008	0.00033
33	March	0.00011	5.6	0.063	0.0000061	0.00063	0.0015	2.1	0.00024	0.000028	0.0000096	0.00011	0.0002	0.00093	0.0029	0.0011	0.00043
33	April	0.00012	4.9	0.063	0.0000054	0.0004	0.0012	1.4	0.00019	0.000027	0.0000077	0.000066	0.00013	0.00088	0.0031	0.0011	0.00044
33	May	0.00012	4.6	0.062	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000069	0.000047	0.0001	0.00084	0.003	0.001	0.00044
33	June	0.00012	4.5	0.061	0.000005	0.00029	0.001	1	0.00016	0.000026	0.0000068	0.000046	0.0001	0.00083	0.003	0.001	0.00043
33	July	0.00012	4.6	0.061	0.000005	0.00032	0.001	1.1	0.00017	0.000026	0.0000069	0.00005	0.00011	0.00084	0.003	0.001	0.00043
33	August	0.00012	4.6	0.061	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.000007	0.000053	0.00011	0.00084	0.003	0.001	0.00043
33	September	0.00012	4.6	0.062	0.0000051	0.00033	0.0011	1.1	0.00017	0.000026	0.0000071	0.000053	0.00011	0.00085	0.003	0.001	0.00043
33	October	0.00012	4.5	0.061	0.000005	0.0003	0.001	1	0.00016	0.000026	0.0000068	0.000048	0.0001	0.00084	0.003	0.001	0.00043
33	November	0.00012	4.4	0.06	0.0000049	0.00028	0.00099	0.98	0.00016	0.000025	0.0000066	0.000044	0.000097	0.00082	0.003	0.001	0.00043
33	December	0.00011	4.2	0.057	0.0000046	0.00026	0.00093	0.92	0.00015	0.000024	0.0000062	0.000041	0.000091	0.00077	0.0028	0.00095	0.0004
34	January	0.000095	3.6	0.049	0.0000039	0.00022	0.00079	0.76	0.00013	0.000021	0.0000053	0.000034	0.000076	0.00066	0.0024	0.00082	0.00035
34	February	0.000085	3.4	0.045	0.0000038	0.00026	0.0008	0.88	0.00013	0.000019	0.0000053	0.000042	0.000086	0.00062	0.0022	0.00076	0.00032
34	March	0.00011	5.5	0.063	0.000006	0.0006	0.0014	2	0.00023	0.000028	0.0000093	0.00011	0.00019	0.00092	0.0029	0.0011	0.00043
34	April	0.000098	4.6	0.044	0.0000041	0.00035	0.00096	1.3	0.00016	0.00002	0.0000065	0.00006	0.00019	0.00078	0.0021	0.00087	0.00037
34	May	0.0001	4.4	0.044	0.000004	0.00029	0.00089	1.1	0.00014	0.00002	0.0000061	0.000048	0.00017	0.00076	0.0022	0.00087	0.00037
34	June	0.000096	4.4	0.04	0.0000037	0.00029	0.00086	1.2	0.00014	0.000018	0.0000059	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
34	July	0.000094	4.4	0.039	0.0000037	0.00031	0.00086	1.2	0.00014	0.000018	0.000006	0.000052	0.00019	0.00074	0.0019	0.00082	0.00035
34	August	0.000095	4.4	0.04	0.0000038	0.00031	0.00088	1.2	0.00014	0.000018	0.000006	0.000052	0.00019	0.00074	0.002	0.00083	0.00035
34	September	0.000096	4.4	0.041	0.0000038	0.00031	0.00088	1.2	0.00014	0.000018	0.000006	0.000052	0.00018	0.00075	0.002	0.00084	0.00035
34	October	0.000099	4.3	0.043	0.0000039	0.00028	0.00087	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00036
34	November	0.00012	4.3	0.059	0.0000047	0.00025	0.00093	0.87	0.00015	0.000025	0.0000062	0.000037	0.000089	0.0008	0.0029	0.00099	0.00042
34	December	0.00011	4	0.056	0.0000044	0.00023	0.00088	0.81	0.00014	0.000023	0.0000059	0.000035	0.000082	0.00076	0.0028	0.00094	0.0004
35	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
35	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
35	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
35	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
35	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
35	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
35	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
35	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
35	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
35	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
35	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
35	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
36	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
36	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
36	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
36	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
36	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
36	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
36	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
36	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
36	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
36	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
36	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
36	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
37	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
37	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
37	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
37	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
37	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
37	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
37	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
37	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
37	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
37	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
37	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
38	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
38	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
38	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
38	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
38	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
38	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
38	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
38	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
38	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
38	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
38	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
38	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
39	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
39	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
39	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
39	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
39	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
39	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
39	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
39	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
39	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
39	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
39	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
39	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
40	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
40	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
40	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
40	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
40	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
40	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
40	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
40	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
40	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
40	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
40	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
40	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
41	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
41	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
41	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
41	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
41	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
41	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
41	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
41	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
41	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
41	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
41	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
42	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
42	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
42	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
42	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
42	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
42	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
42	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
42	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
42	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
42	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
42	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
42	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
43	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
43	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
43	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
43	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
43	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
43	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
43	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
43	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
43	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
43	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
43	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
43	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
44	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
44	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
44	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
44	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
44	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
44	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
44	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
44	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
44	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
44	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
44	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
44	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
45	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
45	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
45	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
45	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
45	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
45	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
45	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
45	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
45	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
45	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
45	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
45	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
46	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
46	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
46	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
46	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
46	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
46	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
46	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
46	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
46	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
46	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
46	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
47	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
47	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
47	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
47	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
47	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
47	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
47	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
47	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
47	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
47	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
47	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
47	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
48	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
48	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
48	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
48	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
48	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
48	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
48	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
48	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
48	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
48	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
48	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
48	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
49	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
49	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
49	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
49	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
49	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
49	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
49	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
49	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
49	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
49	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
49	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
49	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
50	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
50	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
50	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
50	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
50	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
50	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
50	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
50	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
50	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
50	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
50	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
50	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
51	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
51	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
51	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
51	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
51	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
51	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
51	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
51	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
51	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
51	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
51	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
52	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
52	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
52	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
52	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
52	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
52	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
52	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
52	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
52	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
52	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
52	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
52	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
53	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
53	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
53	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
53	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
53	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
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53	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
53	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
53	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
53	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
53	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
53	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
54	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
54	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
54	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
54	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
54	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
54	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
54	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
54	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
54	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
54	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
54	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
54	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
55	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
55	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
55	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
55	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
55	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
55	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
55	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
55	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
55	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
55	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
55	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
56	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
56	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
56	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
56	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
56	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
56	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
56	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
56	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
56	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
56	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
56	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
56	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
57	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
57	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
57	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
57	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
57	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
57	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
57	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
57	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
57	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
57	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
57	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
57	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
58	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
58	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
58	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
58	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
58	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
58	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
58	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
58	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
58	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
58	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
58	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
58	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
59	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
59	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
59	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
59	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
59	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
59	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
59	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
59	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
59	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
59	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
59	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
59	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
60	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
60	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
60	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
60	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
60	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
60	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
60	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
60	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
60	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
60	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
60	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
61	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
61	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
61	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
61	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
61	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
61	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
61	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
61	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
61	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
61	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
61	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
61	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
62	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
62	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
62	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
62	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
62	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
62	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
62	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
62	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
62	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
62	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
62	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
62	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
63	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
63	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
63	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
63	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
63	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
63	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
63	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
63	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
63	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
63	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
63	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
63	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
64	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
64	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
64	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
64	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
64	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
64	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
64	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
64	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
64	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
64	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
64	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
64	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
65	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
65	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
65	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
65	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
65	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
65	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
65	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
65	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
65	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
65	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
65	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
66	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
66	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
66	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
66	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
66	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
66	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
66	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
66	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
66	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
66	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
66	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
66	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
67	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
67	February	0.000085	3.3	0.044	0.0000036	0.00023	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
67	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
67	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
67	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
67	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
67	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
67	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
67	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
67	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
67	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
67	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
68	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
68	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
68	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
68	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
68	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
68	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
68	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
68	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
68	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
68	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
68	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
68	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
69	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
69	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
69	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
69	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
69	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
69	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
69	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
69	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035

Table G-14: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-2)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
69	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
69	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
69	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004
70	January	0.000095	3.5	0.049	0.0000038	0.0002	0.00077	0.7	0.00012	0.00002	0.0000051	0.000031	0.000072	0.00066	0.0024	0.00081	0.00035
70	February	0.000085	3.3	0.044	0.0000036	0.00022	0.00074	0.75	0.00012	0.000019	0.0000049	0.000037	0.000077	0.00061	0.0022	0.00074	0.00032
70	March	0.00011	4.8	0.06	0.0000052	0.00048	0.0012	1.5	0.00019	0.000025	0.0000077	0.000087	0.00016	0.00087	0.0028	0.00099	0.00043
70	April	0.000098	4.4	0.043	0.0000039	0.00032	0.0009	1.2	0.00014	0.000019	0.0000061	0.000055	0.00018	0.00076	0.0021	0.00085	0.00037
70	May	0.0001	4.3	0.044	0.0000039	0.00028	0.00086	1.1	0.00014	0.000019	0.0000059	0.000046	0.00016	0.00075	0.0022	0.00086	0.00037
70	June	0.000096	4.3	0.04	0.0000036	0.00028	0.00083	1.1	0.00013	0.000018	0.0000057	0.000047	0.00018	0.00073	0.002	0.00082	0.00035
70	July	0.000094	4.3	0.038	0.0000036	0.00029	0.00083	1.1	0.00013	0.000017	0.0000057	0.000049	0.00019	0.00073	0.0019	0.00081	0.00035
70	August	0.000095	4.3	0.039	0.0000037	0.00029	0.00084	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00073	0.002	0.00082	0.00035
70	September	0.000096	4.3	0.04	0.0000037	0.00029	0.00085	1.1	0.00014	0.000018	0.0000058	0.000049	0.00018	0.00074	0.002	0.00083	0.00035
70	October	0.000099	4.3	0.043	0.0000038	0.00027	0.00085	1	0.00014	0.000019	0.0000058	0.000044	0.00016	0.00074	0.0022	0.00085	0.00036
70	November	0.00012	4.2	0.059	0.0000046	0.00023	0.00091	0.82	0.00014	0.000025	0.0000061	0.000035	0.000086	0.00079	0.0029	0.00098	0.00042
70	December	0.00011	4	0.056	0.0000044	0.00022	0.00087	0.78	0.00014	0.000023	0.0000058	0.000034	0.00008	0.00075	0.0028	0.00093	0.0004

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	4.9	0.13	0.029	0.015	0.021	1.0	0.0042	0.09	0.00045	0.0033	0.000011	0.0057	0.0000049	13	0.00054	0.00017	0.00065	0.36
-6	February	4.9	0.13	0.029	0.015	0.021	1.0	0.0042	0.09	0.00045	0.0033	0.000011	0.0057	0.0000049	13	0.00054	0.00017	0.00065	0.36
-6	March	4.9	0.13	0.029	0.015	0.021	1.0	0.0042	0.091	0.00045	0.0033	0.000011	0.0057	0.0000049	13	0.00054	0.00017	0.00065	0.36
-6	April	4.9	0.13	0.029	0.015	0.021	1.0	0.0042	0.094	0.00045	0.0034	0.000011	0.0057	0.000005	13	0.00056	0.00018	0.00066	0.38
-6	May	4.7	0.13	0.03	0.015	0.021	1.0	0.0043	0.1	0.00045	0.0035	0.000011	0.0056	0.0000054	13	0.0006	0.00021	0.00069	0.41
-6	June	4.6	0.12	0.03	0.015	0.021	1.0	0.0044	0.11	0.00045	0.0035	0.000012	0.0056	0.0000057	13	0.00064	0.00023	0.0007	0.44
-6	July	4.5	0.12	0.029	0.015	0.021	1.0	0.0043	0.11	0.00045	0.0035	0.000012	0.0055	0.0000058	13	0.00065	0.00023	0.00071	0.44
-6	August	4.5	0.11	0.029	0.015	0.021	1.0	0.0043	0.11	0.00045	0.0035	0.000012	0.0055	0.0000057	13	0.00065	0.00023	0.00071	0.44
-6	September	4.4	0.11	0.029	0.015	0.021	1.0	0.0043	0.11	0.00045	0.0035	0.000012	0.0055	0.0000058	13	0.00065	0.00024	0.00071	0.44
-6	October	4.4	0.1	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.0000059	13	0.00066	0.00024	0.00071	0.45
-6	November	4.3	0.098	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.0000059	13	0.00067	0.00025	0.00072	0.46
-6	December	4.3	0.097	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.0000059	13	0.00067	0.00025	0.00072	0.46
-5	January	4.3	0.098	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.0000059	13	0.00067	0.00025	0.00071	0.45
-5	February	4.4	0.1	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.0000058	13	0.00066	0.00024	0.00071	0.45
-5	March	4.4	0.1	0.029	0.015	0.021	1.0	0.0043	0.11	0.00045	0.0035	0.000012	0.0054	0.0000058	13	0.00066	0.00024	0.00071	0.45
-5	April	4.4	0.1	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0055	0.0000059	13	0.00066	0.00024	0.00071	0.45
-5	May	4.4	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0055	0.0000061	13	0.00069	0.00026	0.00073	0.47
-5	June	4.3	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0055	0.0000062	13	0.0007	0.00026	0.00073	0.48
-5	July	4.3	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000061	13	0.00069	0.00026	0.00073	0.47
-5	August	4.3	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.000006	13	0.00069	0.00025	0.00072	0.47
-5	September	4.3	0.097	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.000006	13	0.00069	0.00025	0.00072	0.47
-5	October	4.3	0.094	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000061	13	0.00069	0.00026	0.00073	0.47
-5	November	4.2	0.091	0.029	0.015	0.022	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0053	0.0000061	13	0.0007	0.00026	0.00073	0.48
-5	December	4.2	0.09	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0036	0.000012	0.0053	0.0000061	13	0.0007	0.00026	0.00073	0.47
-4	January	4.2	0.092	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0036	0.000012	0.0054	0.000006	13	0.00069	0.00026	0.00072	0.47
-4	February	4.3	0.095	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0036	0.000012	0.0054	0.000006	13	0.00068	0.00025	0.00072	0.46
-4	March	4.3	0.097	0.029	0.015	0.021	1.0	0.0043	0.12	0.00045	0.0035	0.000012	0.0054	0.000006	13	0.00068	0.00025	0.00072	0.46
-4	April	4.3	0.099	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.000006	13	0.00068	0.00025	0.00072	0.46
-4	May	4.3	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000062	13	0.0007	0.00026	0.00073	0.48
-4	June	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000063	13	0.00071	0.00027	0.00074	0.49
-4	July	4.3	0.1	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000062	13	0.0007	0.00026	0.00073	0.48
-4	August	4.3	0.099	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000061	13	0.00069	0.00026	0.00073	0.47
-4	September	4.3	0.096	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000061	13	0.00069	0.00026	0.00073	0.47
-4	October	4.2	0.092	0.029	0.015	0.021	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0054	0.0000061	13	0.0007	0.00026	0.00073	0.47
-4	November	4.2	0.09	0.029	0.015	0.022	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0053	0.0000062	13	0.0007	0.00026	0.00073	0.48
-4	December	4.2	0.089	0.029	0.015	0.022	1.0	0.0044	0.12	0.00045	0.0036	0.000012	0.0053	0.0000061	13	0.0007	0.00026	0.00073	0.48
-3	January	4.2	0.091	0.029	0.015	0.022	1.0	0.0043	0.13	0.00045	0.0037	0.000012	0.0054	0.0000078	13	0.0007	0.00026	0.00076	0.48
-3	February	4.3	0.094	0.029	0.015	0.022	1.0	0.0043	0.16	0.00045	0.0038	0.000012	0.0054	0.000011	13	0.00072	0.00027	0.00082	0.49
-3	March	4.3	0.097	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000013	0.0054	0.000014	13	0.00073	0.00027	0.00088	0.51
-3	April	4.3	0.099	0.029	0.015	0.022	1.0	0.0044	0.2	0.00045	0.0042	0.000013	0.0054	0.000016	13	0.00075	0.00028	0.00093	0.53
-3	May	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.2	0.00045	0.0042	0.000013	0.0054	0.000017	13	0.00078	0.00029	0.00094	0.54
-3	June	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.2	0.00045	0.0042	0.000013	0.0054	0.000017	13	0.00078	0.0003	0.00095	0.55
-3	July	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.2	0.00045	0.0043	0.000013	0.0054	0.000017	13	0.00078	0.00029	0.00095	0.54
-3	August	4.3	0.099	0.029	0.015	0.022	1.0	0.0044	0.21	0.00045	0.0043	0.000013	0.0054	0.000018	13	0.00078	0.00029	0.00097	0.54
-3	September	4.3	0.096	0.029	0.015	0.022	1.0	0.0044	0.22	0.00045	0.0044	0.000013	0.0054	0.00002	13	0.00079	0.0003	0.001	0.55
-3	October	4.2	0.092	0.029	0.015	0.022	1.0	0.0044	0.23	0.00045	0.0044	0.000013	0.0054	0.000021	13	0.0008	0.0003	0.001	0.56
-3	November	4.2	0.09	0.029	0.015	0.022	1.0	0.0044	0.25	0.00046	0.0045	0.000014	0.0053	0.000023	13	0.00082	0.00031	0.0011	0.58
-3	December	4.2	0.089	0.029	0.015	0.022	1.0	0.0043	0.26	0.00046	0.0046	0.000014	0.0053	0.000025	13	0.00083	0.00031	0.0011	0.59
-2	January	4.2	0.091	0.029	0.015	0.023	1.0	0.0043	0.28	0.00046	0.0048	0.000014	0.0054	0.000027	13	0.00084	0.00032	0.0011	0.59
-2	February	4.3	0.094	0.029	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0049	0.000014	0.0054	0.000029	13	0.00084	0.00032	0.0012	0.60
-2	March	4.3	0.097	0.029	0.015	0.023	1.0	0.0043	0.31	0.00046	0.005	0.000014	0.0054	0.000031	13	0.00085	0.00032	0.0012	0.61
-2	April	4.3	0.099	0.029	0.015	0.023	1.0	0.0044	0.31	0.00046	0.005	0.000014	0.0054	0.000032	13	0.00086	0.00032	0.0012	0.62
-2	May	4.3	0.1	0.029	0.015	0.023	1.0	0.0044	0.29	0.00046	0.0049	0.000014	0.0054	0.000029	13	0.00086	0.00033	0.0012	0.61
-2	June	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.27	0.00046	0.0048	0.000014	0.0054	0.000026	13	0.00084	0.00032	0.0011	0.60
-2	July	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.26	0.00046	0.0046	0.000014	0.0054	0.000024	13	0.00083	0.00031	0.0011	0.58
-2	August	4.3	0.099	0.029	0.015	0.022	1.0	0.0044	0.25	0.00046	0.0046	0.000014	0.0054	0.000024	13	0.00082	0.00031	0.0011	0.58

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	4.3	0.096	0.029	0.015	0.022	1.0	0.0044	0.26	0.00046	0.0046	0.000014	0.0054	0.000025	13	0.00082	0.00031	0.0011	0.58
-2	October	4.2	0.092	0.029	0.015	0.022	1.0	0.0044	0.26	0.00046	0.0047	0.000014	0.0054	0.000026	13	0.00083	0.00031	0.0011	0.59
-2	November	4.2	0.09	0.029	0.015	0.023	1.0	0.0044	0.27	0.00046	0.0048	0.000014	0.0053	0.000027	13	0.00084	0.00032	0.0011	0.60
-2	December	4.2	0.089	0.029	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0048	0.000014	0.0053	0.000028	13	0.00085	0.00032	0.0012	0.60
-1	January	4.2	0.091	0.029	0.015	0.023	1.0	0.0043	0.3	0.00046	0.0049	0.000014	0.0054	0.00003	13	0.00086	0.00032	0.0012	0.61
-1	February	4.3	0.094	0.029	0.015	0.023	1.0	0.0043	0.31	0.00046	0.005	0.000014	0.0054	0.000032	13	0.00086	0.00032	0.0012	0.62
-1	March	4.3	0.097	0.029	0.015	0.023	1.0	0.0043	0.33	0.00046	0.005	0.000014	0.0054	0.000034	13	0.00087	0.00033	0.0013	0.62
-1	April	4.3	0.099	0.029	0.015	0.023	1.0	0.0043	0.33	0.00046	0.005	0.000015	0.0054	0.000035	13	0.00088	0.00033	0.0013	0.63
-1	May	4.3	0.1	0.029	0.015	0.023	1.0	0.0044	0.31	0.00046	0.005	0.000014	0.0054	0.000031	13	0.00087	0.00033	0.0012	0.62
-1	June	4.3	0.1	0.029	0.015	0.023	1.0	0.0044	0.28	0.00046	0.0048	0.000014	0.0054	0.000027	13	0.00085	0.00032	0.0012	0.61
-1	July	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.26	0.00046	0.0047	0.000014	0.0054	0.000025	13	0.00083	0.00031	0.0011	0.59
-1	August	4.3	0.1	0.029	0.015	0.022	1.0	0.0044	0.26	0.00046	0.0046	0.000014	0.0054	0.000025	13	0.00081	0.0003	0.0011	0.57
-1	September	4.3	0.098	0.029	0.015	0.022	1.0	0.0043	0.26	0.00046	0.0047	0.000014	0.0054	0.000026	13	0.00081	0.0003	0.0011	0.57
-1	October	4.3	0.095	0.029	0.015	0.022	1.0	0.0043	0.27	0.00046	0.0047	0.000014	0.0054	0.000027	13	0.00081	0.0003	0.0011	0.57
-1	November	4.3	0.093	0.029	0.015	0.022	1.0	0.0043	0.28	0.00046	0.0048	0.000014	0.0054	0.000028	13	0.00082	0.00031	0.0011	0.58
-1	December	4.3	0.093	0.028	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0048	0.000014	0.0054	0.000029	13	0.00083	0.00031	0.0012	0.59
1	January	4.3	0.095	0.029	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0049	0.000014	0.0054	0.00003	13	0.00082	0.00031	0.0012	0.59
1	February	4.4	0.098	0.029	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0049	0.000014	0.0054	0.00003	13	0.00082	0.0003	0.0012	0.58
1	March	4.4	0.1	0.029	0.015	0.023	1.0	0.0043	0.29	0.00046	0.0049	0.000014	0.0054	0.00003	13	0.00081	0.0003	0.0012	0.58
1	April	4.4	0.1	0.029	0.015	0.022	1.0	0.0043	0.29	0.00046	0.0048	0.000014	0.0055	0.00003	13	0.00081	0.0003	0.0012	0.57
1	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.27	0.00046	0.0047	0.000014	0.0055	0.000027	13	0.00079	0.00029	0.0011	0.56
1	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.24	0.00046	0.0045	0.000013	0.0055	0.000023	13	0.00077	0.00028	0.001	0.54
1	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.22	0.00045	0.0043	0.000013	0.0055	0.00002	13	0.00075	0.00027	0.00099	0.52
1	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00073	0.00026	0.00096	0.51
1	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00073	0.00026	0.00095	0.50
1	October	4.4	0.1	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0054	0.000019	13	0.00073	0.00026	0.00095	0.51
1	November	4.4	0.097	0.028	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0054	0.000019	13	0.00073	0.00027	0.00096	0.51
1	December	4.4	0.097	0.028	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0054	0.000019	13	0.00073	0.00027	0.00096	0.51
2	January	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0054	0.00002	13	0.00073	0.00026	0.00097	0.51
2	February	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.22	0.00045	0.0043	0.000013	0.0054	0.00002	13	0.00073	0.00026	0.00098	0.51
2	March	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.22	0.00045	0.0043	0.000013	0.0055	0.000021	13	0.00073	0.00026	0.00099	0.51
2	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.22	0.00045	0.0043	0.000013	0.0055	0.000021	13	0.00073	0.00026	0.001	0.51
2	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.21	0.00045	0.0043	0.000013	0.0055	0.000019	13	0.00073	0.00026	0.00097	0.51
2	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000017	13	0.00072	0.00026	0.00093	0.50
2	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
2	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000013	0.0055	0.000016	13	0.0007	0.00025	0.00089	0.48
2	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000013	0.0055	0.000016	13	0.0007	0.00025	0.00089	0.48
2	October	4.4	0.1	0.029	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
2	November	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000016	13	0.00071	0.00026	0.00091	0.49
2	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00026	0.00092	0.49
3	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00026	0.00093	0.49
3	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00095	0.49
3	March	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
3	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00026	0.00097	0.50
3	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00095	0.50
3	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.50
3	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000013	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.49
3	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
3	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
3	October	4.4	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000013	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
3	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
3	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
4	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00093	0.49
4	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
4	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
4	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.50

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
4	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.50
4	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
4	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
4	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
4	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
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4	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
5	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
5	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
5	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
5	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
5	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00026	0.00094	0.50
5	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
5	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
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5	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
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5	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.49
6	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
6	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.0007	0.00025	0.00094	0.49
6	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
6	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
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6	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
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6	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
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6	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.49
7	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
7	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
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7	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
7	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
7	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.49
8	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
8	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
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8	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
8	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
8	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
8	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
8	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
8	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
8	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.49

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
9	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
9	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
9	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
9	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00026	0.00094	0.50
9	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
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9	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
9	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
9	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
10	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
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10	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
10	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
10	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
10	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
10	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
10	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
10	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
10	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
10	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
10	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
11	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
11	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
11	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
11	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
11	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
11	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
11	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
11	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
11	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00024	0.00088	0.47
11	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
11	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
11	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
12	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
12	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
12	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
12	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
12	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
12	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
12	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
12	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
12	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00024	0.00088	0.47
12	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
12	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
12	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
13	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
13	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
13	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
13	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
13	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
13	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
13	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
13	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00024	0.00088	0.47
13	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
13	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
13	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
14	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
14	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
14	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
14	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
14	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
14	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
14	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
14	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
14	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00024	0.00088	0.47
14	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
14	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
14	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
15	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
15	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
15	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
15	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
15	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00025	0.00094	0.50
15	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00025	0.00091	0.49
15	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
15	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.47
15	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00024	0.00088	0.47
15	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.00069	0.00025	0.00089	0.48
15	November	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.48
15	December	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00091	0.48
16	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.0007	0.00025	0.00092	0.49
16	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000018	13	0.0007	0.00025	0.00094	0.49
16	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.0007	0.00025	0.00095	0.49
16	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
16	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00026	0.00094	0.50
16	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
16	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
16	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
16	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
16	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
16	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
16	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
17	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
17	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.0007	0.00025	0.00094	0.49
17	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
17	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
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17	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
17	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
17	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
17	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
17	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
17	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
17	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
18	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
18	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
18	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
18	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00071	0.00026	0.00094	0.50
18	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
18	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
18	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
18	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
18	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
18	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
18	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
19	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
19	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
19	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
19	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
19	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
19	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
19	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
19	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
19	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
19	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
19	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
19	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
20	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
20	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
20	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
20	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
20	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
20	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
20	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
20	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
20	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
20	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
20	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
20	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
21	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
21	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
21	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
21	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
21	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
21	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
21	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
21	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
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21	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
21	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
21	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
22	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
22	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
22	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
22	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
22	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
22	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
22	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
22	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
22	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
22	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
22	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
22	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
23	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
23	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
23	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
23	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
23	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
23	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
23	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
23	September	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
23	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
23	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
23	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
24	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
24	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
24	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
24	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
24	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
24	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
24	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
24	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
24	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
24	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
24	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
24	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
25	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
25	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
25	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
25	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
25	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
25	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
25	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
25	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
25	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
25	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
25	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
25	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
26	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00092	0.49
26	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0054	0.000018	13	0.00071	0.00025	0.00094	0.49
26	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00095	0.49
26	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.000019	13	0.00071	0.00025	0.00096	0.49
26	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.2	0.00045	0.0042	0.000013	0.0055	0.000018	13	0.00072	0.00026	0.00094	0.50
26	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.19	0.00045	0.0041	0.000013	0.0055	0.000016	13	0.00071	0.00026	0.00091	0.49
26	July	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.0007	0.00025	0.00089	0.48
26	August	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
26	September	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00069	0.00025	0.00088	0.48
26	October	4.5	0.1	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000015	13	0.0007	0.00025	0.00089	0.48
26	November	4.4	0.099	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.0009	0.49
26	December	4.4	0.098	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0054	0.000017	13	0.00071	0.00025	0.00091	0.49
27	January	4.4	0.1	0.028	0.015	0.022	1.0	0.0042	0.19	0.00045	0.004	0.000013	0.0054	0.000016	13	0.0007	0.00025	0.00091	0.48
27	February	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0054	0.000016	13	0.00069	0.00025	0.00089	0.48
27	March	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000015	13	0.00068	0.00024	0.00088	0.47
27	April	4.5	0.11	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0055	0.000014	13	0.00068	0.00024	0.00087	0.47
27	May	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.16	0.00045	0.0039	0.000012	0.0055	0.000013	13	0.00068	0.00024	0.00084	0.47
27	June	4.5	0.11	0.029	0.015	0.022	1.0	0.0043	0.15	0.00045	0.0038	0.000012	0.0055	0.000011	13	0.00068	0.00024	0.00081	0.47
27	July	4.5	0.11	0.029	0.015	0.021	1.0	0.0043	0.14	0.00045	0.0037	0.000012	0.0055	0.0000099	13	0.00066	0.00024	0.00078	0.45
27	August	4.5	0.11	0.029	0.015	0.021	1.0	0.0043	0.13	0.00045	0.0037	0.000012	0.0055	0.0000091	13	0.00065	0.00023	0.00076	0.44

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	4.5	0.1	0.029	0.015	0.021	1.0	0.0042	0.13	0.00045	0.0036	0.000012	0.0055	0.0000086	13	0.00065	0.00023	0.00075	0.44
27	October	4.5	0.1	0.029	0.015	0.021	1.0	0.0042	0.13	0.00045	0.0036	0.000012	0.0055	0.0000083	13	0.00065	0.00023	0.00075	0.44
27	November	4.4	0.099	0.028	0.015	0.021	1.0	0.0042	0.13	0.00045	0.0036	0.000012	0.0054	0.000008	13	0.00065	0.00023	0.00074	0.44
27	December	4.4	0.098	0.028	0.015	0.021	1.0	0.0042	0.13	0.00045	0.0036	0.000012	0.0054	0.0000078	13	0.00065	0.00023	0.00074	0.44
28	January	4.4	0.1	0.028	0.015	0.021	1.0	0.0042	0.12	0.00045	0.0035	0.000012	0.0054	0.0000076	13	0.00064	0.00023	0.00073	0.43
28	February	4.5	0.1	0.029	0.015	0.021	1.0	0.0042	0.12	0.00045	0.0035	0.000012	0.0055	0.0000074	13	0.00063	0.00022	0.00073	0.43
28	March	4.5	0.1	0.029	0.015	0.021	1.0	0.0042	0.12	0.00045	0.0035	0.000012	0.0055	0.0000073	13	0.00063	0.00022	0.00072	0.43
28	April	4.5	0.11	0.029	0.015	0.021	1.1	0.0042	0.12	0.00046	0.0035	0.000012	0.0055	0.0000072	13	0.00063	0.00022	0.00072	0.43
28	May	4.5	0.11	0.029	0.015	0.021	1.1	0.0043	0.12	0.00046	0.0036	0.000012	0.0056	0.000007	13	0.00064	0.00023	0.00072	0.44
28	June	4.5	0.11	0.029	0.015	0.021	1.1	0.0043	0.12	0.00046	0.0036	0.000012	0.0056	0.0000068	13	0.00065	0.00023	0.00072	0.44
28	July	4.5	0.11	0.029	0.015	0.021	1.1	0.0043	0.12	0.00046	0.0035	0.000012	0.0056	0.0000065	13	0.00064	0.00023	0.00072	0.44
28	August	4.5	0.11	0.029	0.015	0.021	1.1	0.0043	0.11	0.00046	0.0035	0.000012	0.0056	0.0000063	13	0.00063	0.00023	0.00071	0.43
28	September	4.5	0.1	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0035	0.000012	0.0055	0.0000062	13	0.00063	0.00023	0.0007	0.43
28	October	4.5	0.1	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0035	0.000012	0.0055	0.0000061	13	0.00064	0.00023	0.0007	0.43
28	November	4.4	0.098	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0035	0.000012	0.0055	0.0000061	13	0.00064	0.00023	0.0007	0.43
28	December	4.4	0.098	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0035	0.000012	0.0055	0.000006	13	0.00064	0.00023	0.0007	0.43
29	January	4.5	0.099	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0034	0.000012	0.0055	0.000006	13	0.00063	0.00023	0.0007	0.43
29	February	4.5	0.1	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0034	0.000012	0.0055	0.0000059	13	0.00063	0.00022	0.0007	0.42
29	March	4.5	0.1	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0034	0.000012	0.0055	0.0000059	13	0.00062	0.00022	0.00069	0.42
29	April	4.6	0.11	0.029	0.015	0.021	1.1	0.0042	0.11	0.00046	0.0034	0.000012	0.0056	0.0000059	13	0.00062	0.00022	0.0007	0.42
29	May	4.6	0.11	0.029	0.015	0.021	1.2	0.0043	0.11	0.00047	0.0035	0.000012	0.0056	0.000006	13	0.00064	0.00023	0.0007	0.43
29	June	4.6	0.11	0.029	0.015	0.021	1.2	0.0043	0.11	0.00047	0.0035	0.000012	0.0057	0.000006	13	0.00065	0.00023	0.00071	0.44
29	July	4.6	0.11	0.029	0.015	0.021	1.2	0.0043	0.11	0.00047	0.0035	0.000012	0.0056	0.0000059	13	0.00064	0.00023	0.0007	0.43
29	August	4.6	0.11	0.029	0.015	0.021	1.2	0.0043	0.11	0.00047	0.0035	0.000012	0.0056	0.0000058	13	0.00063	0.00023	0.0007	0.43
29	September	4.5	0.1	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0056	0.0000058	13	0.00063	0.00023	0.0007	0.43
29	October	4.5	0.1	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0056	0.0000058	13	0.00063	0.00023	0.0007	0.43
29	November	4.5	0.098	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
29	December	4.5	0.097	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0055	0.0000058	13	0.00064	0.00023	0.0007	0.43
30	January	4.5	0.099	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0055	0.0000057	13	0.00063	0.00023	0.00069	0.42
30	February	4.5	0.1	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00022	0.00069	0.42
30	March	4.5	0.1	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000011	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
30	April	4.6	0.11	0.029	0.015	0.021	1.2	0.0042	0.11	0.00047	0.0034	0.000012	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
30	May	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00064	0.00023	0.0007	0.43
30	June	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00065	0.00023	0.0007	0.44
30	July	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00064	0.00023	0.0007	0.43
30	August	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.0007	0.43
30	September	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.00069	0.43
30	October	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
30	November	4.5	0.098	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
30	December	4.5	0.097	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
31	January	4.5	0.099	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00023	0.00069	0.42
31	February	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00022	0.00069	0.42
31	March	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
31	April	4.6	0.11	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0057	0.0000057	13	0.00062	0.00022	0.00069	0.42
31	May	4.6	0.11	0.029	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00064	0.00023	0.0007	0.43
31	June	4.6	0.11	0.03	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00065	0.00024	0.0007	0.44
31	July	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00064	0.00023	0.0007	0.43
31	August	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.0007	0.43
31	September	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.00069	0.43
31	October	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00064	0.00023	0.00069	0.43
31	November	4.5	0.098	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
31	December	4.5	0.097	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.00069	0.43
32	January	4.5	0.099	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00023	0.00069	0.42
32	February	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00022	0.00069	0.42
32	March	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
32	April	4.6	0.11	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0057	0.0000057	13	0.00062	0.00022	0.00069	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	4.6	0.11	0.029	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00064	0.00023	0.0007	0.43
32	June	4.6	0.11	0.03	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00065	0.00024	0.0007	0.44
32	July	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00064	0.00023	0.0007	0.43
32	August	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.0007	0.43
32	September	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.00069	0.43
32	October	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00064	0.00023	0.00069	0.43
32	November	4.5	0.098	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
32	December	4.5	0.097	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.00069	0.43
33	January	4.5	0.099	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00023	0.00069	0.42
33	February	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00022	0.00069	0.42
33	March	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
33	April	4.6	0.11	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0057	0.0000057	13	0.00062	0.00022	0.00069	0.42
33	May	4.6	0.11	0.029	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00064	0.00023	0.0007	0.43
33	June	4.6	0.11	0.03	0.015	0.021	1.4	0.0043	0.11	0.00049	0.0035	0.000012	0.0058	0.0000059	13	0.00065	0.00024	0.0007	0.44
33	July	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000059	13	0.00064	0.00023	0.0007	0.43
33	August	4.6	0.11	0.029	0.015	0.021	1.3	0.0043	0.11	0.00048	0.0035	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.0007	0.43
33	September	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00063	0.00023	0.00069	0.43
33	October	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0057	0.0000058	13	0.00064	0.00023	0.00069	0.43
33	November	4.5	0.098	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.0007	0.43
33	December	4.5	0.097	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000058	13	0.00064	0.00023	0.00069	0.43
34	January	4.5	0.099	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00023	0.00069	0.42
34	February	4.5	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000012	0.0056	0.0000057	13	0.00063	0.00022	0.00069	0.42
34	March	4.6	0.1	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0056	0.0000057	13	0.00062	0.00022	0.00069	0.42
34	April	4.5	0.11	0.029	0.015	0.021	1.3	0.0042	0.11	0.00048	0.0034	0.000011	0.0057	0.0000057	13	0.00062	0.00022	0.00069	0.42
34	May	4.4	0.11	0.031	0.014	0.022	1.4	0.0042	0.11	0.00047	0.0034	0.000011	0.0057	0.0000057	13	0.00062	0.00022	0.00071	0.43
34	June	4.3	0.1	0.031	0.014	0.022	1.3	0.0041	0.11	0.00046	0.0034	0.000011	0.0057	0.0000056	13	0.00061	0.00022	0.00072	0.43
34	July	4.2	0.1	0.031	0.014	0.023	1.3	0.0041	0.1	0.00045	0.0033	0.000011	0.0057	0.0000055	13	0.0006	0.00022	0.00072	0.42
34	August	4.2	0.099	0.031	0.014	0.023	1.3	0.004	0.1	0.00045	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00072	0.42
34	September	4.1	0.095	0.031	0.014	0.023	1.3	0.004	0.1	0.00045	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00072	0.42
34	October	4.1	0.091	0.031	0.014	0.023	1.3	0.004	0.1	0.00044	0.0032	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
34	November	4.0	0.089	0.031	0.014	0.023	1.3	0.004	0.1	0.00044	0.0032	0.000011	0.0055	0.0000054	13	0.00059	0.00021	0.00073	0.42
34	December	4.1	0.089	0.031	0.014	0.023	1.3	0.004	0.1	0.00044	0.0033	0.000011	0.0055	0.0000054	13	0.0006	0.00021	0.00072	0.42
35	January	4.1	0.091	0.031	0.014	0.023	1.2	0.004	0.1	0.00044	0.0033	0.000011	0.0055	0.0000054	13	0.00059	0.00021	0.00072	0.42
35	February	4.2	0.094	0.031	0.014	0.022	1.2	0.004	0.1	0.00044	0.0033	0.000011	0.0055	0.0000054	13	0.00059	0.00021	0.00071	0.41
35	March	4.2	0.097	0.031	0.014	0.022	1.2	0.004	0.1	0.00045	0.0033	0.000011	0.0056	0.0000053	13	0.00059	0.00021	0.00071	0.41
35	April	4.2	0.099	0.031	0.014	0.022	1.2	0.004	0.1	0.00045	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00071	0.41
35	May	4.1	0.1	0.032	0.014	0.023	1.3	0.004	0.1	0.00044	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
35	June	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.0006	0.00022	0.00074	0.43
35	July	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
35	August	4.1	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
35	September	4.0	0.094	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.41
35	October	3.9	0.09	0.032	0.014	0.023	1.2	0.0039	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
35	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
35	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
36	January	4.0	0.09	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00072	0.42
36	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00072	0.41
36	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00071	0.41
36	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
36	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
36	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
36	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
36	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
36	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
36	October	3.9	0.09	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
36	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
36	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
37	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00072	0.41
37	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
37	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
37	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
37	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
37	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
37	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
37	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
37	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
37	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
37	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
38	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
38	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
38	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
38	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
38	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
38	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
38	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
38	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
38	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
38	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
38	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
38	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
39	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
39	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
39	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
39	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
39	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
39	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
39	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
39	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
39	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
39	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
39	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
39	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
40	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
40	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
40	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
40	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
40	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
40	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
40	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
40	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
40	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
40	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
40	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
40	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
41	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
41	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
41	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
41	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
41	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
41	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
41	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
41	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
41	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
41	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
41	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
42	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
42	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
42	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
42	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
42	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
42	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
42	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
42	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
42	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
42	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
42	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
42	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
43	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
43	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
43	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
43	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
43	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
43	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
43	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
43	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
43	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
43	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
43	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
43	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
44	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
44	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
44	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
44	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
44	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
44	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
44	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
44	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
44	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
44	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
44	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
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45	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
45	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
45	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
45	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
45	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
45	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
45	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
45	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
45	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
45	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
45	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
45	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
46	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
46	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
46	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
46	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
46	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
46	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
46	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
46	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
46	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
46	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
46	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
47	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
47	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
47	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
47	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
47	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
47	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
47	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
47	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
47	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
47	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
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47	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
48	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
48	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
48	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
48	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
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48	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
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48	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
48	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
48	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
48	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
48	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
49	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
49	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
49	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
49	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
49	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
49	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
49	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
49	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
49	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
49	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
49	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
49	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
50	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
50	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
50	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
50	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
50	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
50	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
50	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
50	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
50	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
50	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
50	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
50	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
51	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
51	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
51	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
51	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
51	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
51	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
51	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
51	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
51	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
51	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
51	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
52	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
52	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
52	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
52	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
52	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
52	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
52	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
52	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
52	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
52	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
52	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
52	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
53	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
53	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
53	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
53	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
53	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
53	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
53	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
53	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
53	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
53	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
53	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
53	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
54	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
54	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
54	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
54	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
54	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
54	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
54	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
54	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
54	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
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55	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
55	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
55	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
55	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
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55	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
55	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
55	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
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55	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
56	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
56	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
56	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
56	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
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56	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
56	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
56	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
56	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
56	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
56	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
57	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
57	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
57	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
57	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
57	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
57	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
57	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
57	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
57	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
57	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
57	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
57	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
58	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
58	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
58	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
58	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
58	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
58	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
58	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
58	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
58	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
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59	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
59	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
59	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
59	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
59	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
59	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
59	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
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59	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
59	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
59	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
59	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
60	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
60	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
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60	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
60	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
60	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
60	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
60	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
60	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
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61	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
61	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
61	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
61	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
61	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
61	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
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62	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
62	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
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62	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
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63	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
63	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
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64	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
64	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
64	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
64	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
64	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
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64	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
64	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
64	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
65	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
65	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
65	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
65	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
65	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
65	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
65	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
65	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
65	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
65	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
65	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
66	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
66	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
66	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
66	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
66	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
66	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
66	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
66	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
66	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
66	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
66	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
66	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
67	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
67	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00072	0.41
67	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
67	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
67	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
67	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
67	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
67	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
67	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
67	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
67	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
67	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
68	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
68	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
68	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
68	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
68	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
68	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
68	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
68	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
68	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
68	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
68	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
68	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
69	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
69	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
69	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
69	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
69	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
69	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
69	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
69	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
69	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
69	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
69	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
70	January	4.0	0.09	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00072	0.42
70	February	4.1	0.093	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
70	March	4.1	0.096	0.031	0.014	0.023	1.1	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00071	0.41
70	April	4.1	0.098	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00072	0.41
70	May	4.1	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00073	0.42
70	June	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00043	0.0033	0.000011	0.0056	0.0000054	13	0.00059	0.00021	0.00074	0.43
70	July	4.0	0.1	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0033	0.000011	0.0055	0.0000053	13	0.00059	0.00021	0.00073	0.42
70	August	4.0	0.097	0.032	0.014	0.023	1.2	0.004	0.1	0.00042	0.0032	0.000011	0.0055	0.0000053	13	0.00058	0.00021	0.00073	0.42
70	September	4.0	0.093	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.41
70	October	3.9	0.089	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0055	0.0000052	13	0.00058	0.00021	0.00073	0.42
70	November	3.9	0.087	0.032	0.014	0.023	1.2	0.0039	0.1	0.00042	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42
70	December	4.0	0.088	0.031	0.014	0.023	1.2	0.004	0.1	0.00043	0.0032	0.000011	0.0054	0.0000053	13	0.00059	0.00021	0.00073	0.42

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000093	4.1	0.051	0.0000029	0.00019	0.00059	1.3	0.00012	0.000025	0.0000047	0.000025	0.000065	0.00049	0.0019	0.001	0.0012
-6	February	0.000093	4.1	0.051	0.0000029	0.00019	0.00059	1.3	0.00012	0.000025	0.0000047	0.000025	0.000066	0.00049	0.0019	0.001	0.0012
-6	March	0.000093	4.1	0.051	0.0000029	0.00019	0.0006	1.3	0.00012	0.000025	0.0000047	0.000025	0.000066	0.00049	0.0019	0.001	0.0012
-6	April	0.000094	4.2	0.052	0.000003	0.00019	0.00061	1.3	0.00012	0.000025	0.0000047	0.000025	0.000066	0.0005	0.0019	0.001	0.0011
-6	May	0.000096	4.2	0.053	0.0000032	0.0002	0.00064	1.3	0.00013	0.000025	0.0000048	0.000025	0.000067	0.00053	0.002	0.001	0.0011
-6	June	0.000098	4.2	0.054	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000049	0.000026	0.000068	0.00056	0.0021	0.001	0.001
-6	July	0.000098	4.2	0.053	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.000005	0.000026	0.000068	0.00056	0.0021	0.001	0.001
-6	August	0.000099	4.1	0.052	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.000005	0.000026	0.000068	0.00056	0.0021	0.001	0.00096
-6	September	0.000099	4.1	0.051	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.000005	0.000027	0.000068	0.00057	0.0022	0.001	0.00092
-6	October	0.0001	4.1	0.051	0.0000034	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00057	0.0022	0.001	0.00087
-6	November	0.0001	4.1	0.05	0.0000034	0.0002	0.00067	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00058	0.0022	0.001	0.00084
-6	December	0.0001	4.1	0.05	0.0000034	0.0002	0.00067	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00058	0.0022	0.001	0.00083
-5	January	0.0001	4.1	0.05	0.0000034	0.0002	0.00067	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00058	0.0022	0.001	0.00084
-5	February	0.0001	4.1	0.05	0.0000034	0.0002	0.00067	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00057	0.0022	0.001	0.00086
-5	March	0.0001	4.1	0.05	0.0000034	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00057	0.0022	0.001	0.00088
-5	April	0.0001	4.1	0.051	0.0000034	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00057	0.0022	0.001	0.0009
-5	May	0.0001	4.1	0.053	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0022	0.001	0.0009
-5	June	0.0001	4.2	0.053	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0023	0.001	0.0009
-5	July	0.0001	4.1	0.053	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0022	0.001	0.00089
-5	August	0.0001	4.1	0.052	0.0000034	0.0002	0.00068	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00059	0.0022	0.001	0.00087
-5	September	0.0001	4.1	0.051	0.0000034	0.0002	0.00068	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0022	0.001	0.00084
-5	October	0.0001	4.1	0.05	0.0000035	0.0002	0.00068	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0023	0.001	0.00081
-5	November	0.0001	4.1	0.05	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.0006	0.0023	0.001	0.00078
-5	December	0.0001	4.1	0.05	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0023	0.001	0.00078
-4	January	0.0001	4.1	0.05	0.0000035	0.0002	0.00068	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0022	0.001	0.00079
-4	February	0.0001	4.1	0.05	0.0000034	0.0002	0.00068	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00058	0.0022	0.001	0.00081
-4	March	0.0001	4.1	0.05	0.0000034	0.0002	0.00068	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00058	0.0022	0.001	0.00084
-4	April	0.0001	4.1	0.051	0.0000034	0.0002	0.00068	1.1	0.00013	0.000025	0.0000051	0.000027	0.000068	0.00058	0.0022	0.001	0.00086
-4	May	0.0001	4.1	0.053	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0023	0.001	0.00087
-4	June	0.0001	4.2	0.053	0.0000035	0.0002	0.0007	1.1	0.00013	0.000025	0.0000052	0.000027	0.000069	0.0006	0.0023	0.001	0.00088
-4	July	0.0001	4.1	0.053	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0023	0.001	0.00087
-4	August	0.0001	4.1	0.052	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000051	0.000027	0.000069	0.00059	0.0022	0.001	0.00085
-4	September	0.0001	4.1	0.051	0.0000035	0.0002	0.00068	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0022	0.001	0.00083
-4	October	0.0001	4.1	0.05	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000052	0.000027	0.000068	0.00059	0.0023	0.001	0.0008
-4	November	0.0001	4.1	0.05	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000052	0.000028	0.000068	0.0006	0.0023	0.001	0.00077
-4	December	0.0001	4.1	0.05	0.0000035	0.0002	0.00069	1.1	0.00013	0.000025	0.0000052	0.000028	0.000068	0.0006	0.0023	0.001	0.00077
-3	January	0.00016	4.1	0.05	0.0000035	0.0002	0.00071	1.1	0.00013	0.000025	0.0000053	0.000028	0.000068	0.00061	0.0025	0.001	0.00078
-3	February	0.00027	4.1	0.051	0.0000035	0.0002	0.00076	1.1	0.00013	0.000026	0.0000054	0.00003	0.000069	0.00063	0.0031	0.0011	0.00081
-3	March	0.00038	4.1	0.051	0.0000035	0.0002	0.0008	1.1	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0036	0.0011	0.00083
-3	April	0.00046	4.1	0.052	0.0000036	0.0002	0.00084	1.2	0.00013	0.000027	0.0000056	0.000032	0.00007	0.00068	0.0039	0.0011	0.00085
-3	May	0.00047	4.2	0.054	0.0000036	0.0002	0.00086	1.1	0.00013	0.000027	0.0000056	0.000032	0.000071	0.00069	0.004	0.0011	0.00086
-3	June	0.00046	4.2	0.055	0.0000037	0.0002	0.00086	1.1	0.00013	0.000027	0.0000056	0.000032	0.000071	0.00069	0.004	0.0011	0.00087
-3	July	0.00049	4.2	0.054	0.0000037	0.0002	0.00086	1.1	0.00013	0.000027	0.0000057	0.000032	0.000071	0.00069	0.0041	0.0011	0.00087
-3	August	0.00053	4.1	0.053	0.0000036	0.0002	0.00087	1.1	0.00013	0.000027	0.0000057	0.000033	0.000071	0.0007	0.0043	0.0012	0.00085
-3	September	0.00057	4.1	0.052	0.0000037	0.0002	0.00089	1.1	0.00013	0.000028	0.0000058	0.000033	0.000071	0.00071	0.0045	0.0012	0.00082
-3	October	0.00063	4.1	0.052	0.0000037	0.0002	0.00092	1.1	0.00013	0.000028	0.0000059	0.000034	0.000071	0.00073	0.0048	0.0012	0.00079
-3	November	0.00068	4.1	0.052	0.0000037	0.0002	0.00095	1.1	0.00013	0.000028	0.000006	0.000035	0.000071	0.00075	0.0051	0.0012	0.00077
-3	December	0.00075	4.1	0.052	0.0000038	0.0002	0.00097	1.1	0.00013	0.000029	0.0000061	0.000036	0.000071	0.00076	0.0054	0.0012	0.00077
-2	January	0.00083	4.1	0.052	0.0000038	0.0002	0.001	1.1	0.00013	0.000029	0.0000062	0.000037	0.000071	0.00078	0.0057	0.0013	0.00078
-2	February	0.00091	4.1	0.053	0.0000038	0.0002	0.001	1.2	0.00013	0.00003	0.0000063	0.000038	0.000072	0.00079	0.0061	0.0013	0.00081
-2	March	0.00098	4.1	0.053	0.0000038	0.0002	0.0011	1.2	0.00013	0.00003	0.0000063	0.000039	0.000072	0.00081	0.0064	0.0013	0.00083
-2	April	0.001	4.2	0.054	0.0000038	0.00021	0.0011	1.2	0.00013	0.00003	0.0000064	0.000039	0.000072	0.00081	0.0065	0.0013	0.00085
-2	May	0.0009	4.2	0.055	0.0000038	0.00021	0.001	1.2	0.00013	0.00003	0.0000062	0.000037	0.000073	0.0008	0.0061	0.0013	0.00087
-2	June	0.00077	4.2	0.056	0.0000038	0.00021	0.001	1.2	0.00013	0.000029	0.0000061	0.000036	0.000073	0.00077	0.0055	0.0013	0.00087
-2	July	0.00072	4.2	0.055	0.0000037	0.0002	0.00097	1.2	0.00013	0.000029	0.000006	0.000035	0.000072	0.00075	0.0052	0.0012	0.00087
-2	August	0.00072	4.2	0.054	0.0000037	0.0002	0.00096	1.2	0.00013	0.000029	0.000006	0.000035	0.000071	0.00075	0.0052	0.0012	0.00085

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00074	4.1	0.053	0.0000037	0.0002	0.00097	1.2	0.00013	0.000029	0.000006	0.000036	0.000071	0.00075	0.0053	0.0012	0.00082
-2	October	0.00077	4.1	0.053	0.0000038	0.0002	0.00098	1.1	0.00013	0.000029	0.0000061	0.000036	0.000071	0.00076	0.0055	0.0013	0.00079
-2	November	0.00081	4.1	0.052	0.0000038	0.0002	0.001	1.1	0.00013	0.000029	0.0000062	0.000037	0.000072	0.00078	0.0057	0.0013	0.00077
-2	December	0.00087	4.1	0.052	0.0000038	0.0002	0.001	1.1	0.00013	0.000029	0.0000063	0.000038	0.000072	0.00079	0.0059	0.0013	0.00077
-1	January	0.00094	4.1	0.053	0.0000038	0.0002	0.0011	1.2	0.00013	0.00003	0.0000063	0.000038	0.000072	0.0008	0.0063	0.0013	0.00079
-1	February	0.001	4.1	0.053	0.0000038	0.00021	0.0011	1.2	0.00013	0.00003	0.0000064	0.000039	0.000072	0.00082	0.0066	0.0013	0.00081
-1	March	0.0011	4.1	0.054	0.0000038	0.00021	0.0011	1.2	0.00013	0.000031	0.0000065	0.00004	0.000072	0.00083	0.0069	0.0014	0.00083
-1	April	0.0011	4.2	0.054	0.0000038	0.00021	0.0011	1.2	0.00013	0.000031	0.0000065	0.00004	0.000073	0.00083	0.007	0.0014	0.00085
-1	May	0.00097	4.2	0.055	0.0000038	0.00021	0.0011	1.2	0.00013	0.00003	0.0000063	0.000038	0.000073	0.00081	0.0064	0.0013	0.00087
-1	June	0.00082	4.2	0.056	0.0000038	0.00021	0.001	1.2	0.00013	0.000029	0.0000061	0.000036	0.000073	0.00078	0.0057	0.0013	0.00087
-1	July	0.00076	4.2	0.055	0.0000037	0.0002	0.00098	1.2	0.00013	0.000029	0.000006	0.000036	0.000072	0.00076	0.0054	0.0013	0.00087
-1	August	0.00076	4.1	0.053	0.0000037	0.0002	0.00097	1.2	0.00013	0.000029	0.000006	0.000036	0.000071	0.00075	0.0054	0.0013	0.00086
-1	September	0.00078	4.1	0.052	0.0000037	0.0002	0.00097	1.2	0.00013	0.000029	0.000006	0.000036	0.000071	0.00075	0.0055	0.0013	0.00084
-1	October	0.00081	4.1	0.052	0.0000037	0.0002	0.00098	1.2	0.00013	0.000029	0.0000061	0.000037	0.000071	0.00076	0.0056	0.0013	0.00082
-1	November	0.00086	4.1	0.051	0.0000037	0.0002	0.001	1.2	0.00013	0.000029	0.0000062	0.000037	0.000071	0.00077	0.0058	0.0013	0.0008
-1	December	0.00091	4.1	0.051	0.0000037	0.0002	0.001	1.2	0.00013	0.00003	0.0000062	0.000038	0.000071	0.00078	0.0061	0.0013	0.0008
1	January	0.00094	4.1	0.051	0.0000037	0.0002	0.001	1.2	0.00013	0.00003	0.0000063	0.000038	0.000071	0.00078	0.0062	0.0013	0.00082
1	February	0.00094	4.1	0.052	0.0000037	0.0002	0.001	1.2	0.00013	0.00003	0.0000062	0.000038	0.000071	0.00078	0.0062	0.0013	0.00084
1	March	0.00095	4.1	0.052	0.0000036	0.0002	0.001	1.2	0.00013	0.00003	0.0000062	0.000038	0.000071	0.00078	0.0062	0.0013	0.00087
1	April	0.00092	4.1	0.053	0.0000036	0.0002	0.001	1.2	0.00013	0.00003	0.0000062	0.000037	0.000071	0.00077	0.0061	0.0013	0.00089
1	May	0.00081	4.2	0.054	0.0000036	0.0002	0.00098	1.2	0.00013	0.000029	0.000006	0.000036	0.000071	0.00075	0.0056	0.0013	0.00093
1	June	0.00068	4.2	0.054	0.0000036	0.0002	0.00092	1.2	0.00013	0.000028	0.0000058	0.000034	0.000071	0.00071	0.0049	0.0012	0.00095
1	July	0.00059	4.2	0.053	0.0000035	0.0002	0.00088	1.2	0.00013	0.000028	0.0000057	0.000033	0.00007	0.00069	0.0045	0.0012	0.00094
1	August	0.00056	4.1	0.052	0.0000035	0.0002	0.00085	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00067	0.0043	0.0012	0.00092
1	September	0.00054	4.1	0.051	0.0000035	0.0002	0.00085	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00067	0.0043	0.0012	0.00089
1	October	0.00054	4.1	0.05	0.0000035	0.0002	0.00085	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00067	0.0043	0.0012	0.00086
1	November	0.00055	4.1	0.05	0.0000035	0.0002	0.00085	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00067	0.0043	0.0012	0.00084
1	December	0.00056	4.1	0.05	0.0000035	0.0002	0.00085	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00068	0.0044	0.0012	0.00083
2	January	0.00058	4.1	0.05	0.0000035	0.0002	0.00086	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00068	0.0044	0.0012	0.00085
2	February	0.0006	4.1	0.05	0.0000034	0.0002	0.00087	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00068	0.0045	0.0012	0.00087
2	March	0.00063	4.1	0.05	0.0000034	0.0002	0.00087	1.2	0.00013	0.000028	0.0000057	0.000034	0.000069	0.00068	0.0046	0.0012	0.00089
2	April	0.00063	4.1	0.051	0.0000034	0.0002	0.00088	1.2	0.00013	0.000028	0.0000057	0.000033	0.000069	0.00068	0.0046	0.0012	0.00092
2	May	0.00057	4.1	0.053	0.0000035	0.0002	0.00086	1.2	0.00013	0.000028	0.0000056	0.000033	0.00007	0.00068	0.0044	0.0012	0.00095
2	June	0.0005	4.2	0.053	0.0000035	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000031	0.00007	0.00066	0.004	0.0012	0.00096
2	July	0.00045	4.1	0.052	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00095
2	August	0.00044	4.1	0.051	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00064	0.0037	0.0011	0.00093
2	September	0.00044	4.1	0.05	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0038	0.0011	0.0009
2	October	0.00045	4.1	0.05	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0038	0.0011	0.00087
2	November	0.00047	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
2	December	0.00049	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0011	0.00084
3	January	0.00052	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00066	0.0041	0.0012	0.00086
3	February	0.00054	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0042	0.0012	0.00088
3	March	0.00057	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.0009
3	April	0.00058	4.1	0.051	0.0000034	0.0002	0.00085	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00067	0.0044	0.0012	0.00093
3	May	0.00053	4.1	0.052	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000032	0.000069	0.00066	0.0042	0.0012	0.00095
3	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
3	July	0.00043	4.1	0.052	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
3	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
3	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
3	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
3	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00065	0.0038	0.0011	0.00085
3	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00084
4	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00086
4	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
4	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
4	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00085	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00084	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
4	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
4	July	0.00042	4.1	0.052	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
4	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
4	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
4	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
4	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
4	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
5	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
5	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
5	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
5	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
5	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
5	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
5	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
5	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
5	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
5	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
5	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
5	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
6	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
6	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
6	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
6	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
6	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
6	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
6	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
6	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
6	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
6	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
6	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
6	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
7	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
7	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00088
7	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
7	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
7	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
7	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
7	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
7	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
7	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
7	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
7	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
7	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
8	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00086
8	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
8	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
8	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
8	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
8	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
8	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
8	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
8	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
8	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
8	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
8	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
9	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
9	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
9	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
9	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
9	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
9	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
9	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
9	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
9	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
9	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
9	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
10	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
10	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
10	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
10	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
10	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
10	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
10	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
10	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
10	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
10	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
10	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
10	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
11	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
11	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
11	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
11	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
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11	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
11	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
11	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
11	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
11	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
12	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
12	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
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12	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
12	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
12	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00098
12	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
12	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
12	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
12	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
12	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
12	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
13	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
13	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
13	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
13	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
13	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
13	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
13	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
13	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
13	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
13	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
13	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
14	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
14	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
14	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
14	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
14	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
14	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00097
14	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
14	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
14	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
14	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
14	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
14	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
15	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
15	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
15	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
15	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00094
15	May	0.00053	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
15	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0039	0.0011	0.00098
15	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00063	0.0037	0.0011	0.00096
15	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00094
15	September	0.00043	4.1	0.05	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.00091
15	October	0.00044	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00088
15	November	0.00046	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00086
15	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
16	January	0.00051	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0041	0.0012	0.00087
16	February	0.00053	4.1	0.049	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00089
16	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
16	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
16	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
16	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
16	July	0.00043	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
16	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
16	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
16	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
16	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
16	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
17	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
17	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
17	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.00091
17	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
17	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
17	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
17	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
17	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
17	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
17	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
17	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
17	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
18	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
18	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
18	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
18	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
18	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
18	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
18	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
18	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
18	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
18	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
18	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
19	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
19	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
19	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
19	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
19	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00084	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
19	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
19	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
19	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
19	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
19	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
19	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
19	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
20	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
20	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
20	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
20	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
20	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
20	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
20	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
20	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
20	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
20	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
20	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
20	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
21	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
21	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
21	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
21	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
21	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
21	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
21	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
21	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
21	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
21	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
21	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
21	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
22	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
22	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
22	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
22	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
22	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
22	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
22	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
22	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
22	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
22	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
22	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
22	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
23	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
23	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
23	April	0.00057	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
23	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00084	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
23	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
23	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
23	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
23	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
23	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
23	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
23	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
24	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
24	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
24	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
24	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
24	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
24	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
24	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
24	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
24	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
24	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
24	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
24	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
25	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
25	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
25	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
25	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
25	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
25	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
25	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
25	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
25	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
25	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
25	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
25	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
26	January	0.0005	4.1	0.049	0.0000034	0.0002	0.00082	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.004	0.0012	0.00086
26	February	0.00053	4.1	0.05	0.0000034	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00066	0.0042	0.0012	0.00088
26	March	0.00056	4.1	0.05	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000068	0.00066	0.0043	0.0012	0.0009
26	April	0.00056	4.1	0.051	0.0000034	0.0002	0.00084	1.2	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0043	0.0012	0.00093
26	May	0.00052	4.1	0.052	0.0000034	0.0002	0.00083	1.2	0.00013	0.000027	0.0000055	0.000032	0.000069	0.00066	0.0041	0.0012	0.00096
26	June	0.00046	4.2	0.053	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000031	0.000069	0.00065	0.0038	0.0011	0.00097
26	July	0.00042	4.1	0.052	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000069	0.00064	0.0037	0.0011	0.00096
26	August	0.00042	4.1	0.051	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0036	0.0011	0.00093
26	September	0.00042	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
26	October	0.00044	4.1	0.05	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0037	0.0011	0.00087
26	November	0.00045	4.1	0.049	0.0000034	0.0002	0.0008	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.0038	0.0011	0.00085
26	December	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00085
27	January	0.00048	4.1	0.049	0.0000034	0.0002	0.00081	1.2	0.00013	0.000027	0.0000056	0.000032	0.000068	0.00065	0.0039	0.0011	0.00086
27	February	0.00045	4.1	0.049	0.0000034	0.0002	0.00079	1.2	0.00013	0.000027	0.0000055	0.000031	0.000068	0.00064	0.0038	0.0011	0.00088
27	March	0.00043	4.1	0.05	0.0000033	0.0002	0.00078	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0037	0.0011	0.0009
27	April	0.00041	4.1	0.05	0.0000033	0.0002	0.00077	1.2	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00062	0.0036	0.0011	0.00093
27	May	0.00035	4.1	0.052	0.0000034	0.0002	0.00076	1.2	0.00013	0.000026	0.0000053	0.00003	0.000069	0.00062	0.0033	0.0011	0.00096
27	June	0.00029	4.2	0.052	0.0000034	0.0002	0.00074	1.2	0.00013	0.000026	0.0000052	0.000029	0.000069	0.00061	0.003	0.0011	0.00097
27	July	0.00025	4.1	0.052	0.0000033	0.0002	0.00072	1.2	0.00013	0.000026	0.0000052	0.000029	0.000069	0.00059	0.0028	0.0011	0.00096
27	August	0.00022	4.1	0.05	0.0000033	0.0002	0.0007	1.2	0.00013	0.000026	0.0000052	0.000028	0.000068	0.00058	0.0027	0.001	0.00093

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.0002	4.1	0.049	0.0000033	0.0002	0.00069	1.2	0.00013	0.000026	0.0000052	0.000028	0.000068	0.00058	0.0026	0.001	0.0009
27	October	0.00019	4.1	0.049	0.0000033	0.0002	0.00069	1.2	0.00013	0.000026	0.0000052	0.000028	0.000068	0.00058	0.0026	0.001	0.00087
27	November	0.00018	4.1	0.048	0.0000033	0.0002	0.00069	1.2	0.00013	0.000026	0.0000052	0.000028	0.000068	0.00058	0.0025	0.001	0.00085
27	December	0.00017	4.1	0.048	0.0000033	0.0002	0.00068	1.2	0.00013	0.000025	0.0000052	0.000028	0.000067	0.00057	0.0025	0.001	0.00084
28	January	0.00017	4.1	0.048	0.0000033	0.0002	0.00068	1.2	0.00013	0.000025	0.0000052	0.000028	0.000067	0.00057	0.0024	0.001	0.00086
28	February	0.00016	4.1	0.048	0.0000033	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000028	0.000067	0.00056	0.0024	0.001	0.00088
28	March	0.00016	4.1	0.049	0.0000032	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000028	0.000067	0.00056	0.0024	0.001	0.0009
28	April	0.00015	4.1	0.05	0.0000033	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000028	0.000068	0.00056	0.0024	0.001	0.00093
28	May	0.00014	4.2	0.051	0.0000033	0.0002	0.00068	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00057	0.0023	0.001	0.00095
28	June	0.00013	4.2	0.052	0.0000033	0.0002	0.00068	1.2	0.00013	0.000025	0.0000051	0.000028	0.00007	0.00057	0.0023	0.001	0.00097
28	July	0.00013	4.2	0.051	0.0000033	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00056	0.0022	0.001	0.00095
28	August	0.00012	4.1	0.05	0.0000033	0.0002	0.00067	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00056	0.0022	0.001	0.00093
28	September	0.00012	4.1	0.049	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00056	0.0022	0.001	0.0009
28	October	0.00012	4.1	0.049	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00056	0.0022	0.001	0.00087
28	November	0.00011	4.1	0.048	0.0000033	0.0002	0.00067	1.2	0.00013	0.000025	0.0000052	0.000029	0.000069	0.00056	0.0022	0.001	0.00085
28	December	0.00011	4.1	0.048	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000052	0.000029	0.000069	0.00056	0.0022	0.001	0.00084
29	January	0.00011	4.1	0.048	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000028	0.000068	0.00056	0.0022	0.001	0.00085
29	February	0.00011	4.1	0.048	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000028	0.000068	0.00055	0.0022	0.001	0.00088
29	March	0.00011	4.1	0.049	0.0000032	0.0002	0.00065	1.2	0.00013	0.000025	0.0000051	0.000028	0.000068	0.00055	0.0021	0.001	0.0009
29	April	0.00011	4.1	0.05	0.0000033	0.0002	0.00066	1.2	0.00013	0.000025	0.0000051	0.000028	0.000069	0.00055	0.0021	0.001	0.00092
29	May	0.00011	4.2	0.051	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000051	0.000029	0.000071	0.00056	0.0022	0.001	0.00095
29	June	0.0001	4.2	0.052	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000051	0.000029	0.000071	0.00057	0.0022	0.001	0.00096
29	July	0.0001	4.2	0.051	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000051	0.000029	0.000071	0.00056	0.0021	0.001	0.00095
29	August	0.0001	4.2	0.05	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000051	0.000029	0.00007	0.00056	0.0021	0.001	0.00093
29	September	0.0001	4.1	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000051	0.000029	0.00007	0.00056	0.0021	0.001	0.0009
29	October	0.0001	4.1	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.000029	0.00007	0.00056	0.0021	0.001	0.00087
29	November	0.0001	4.1	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.00007	0.00056	0.0022	0.001	0.00084
29	December	0.0001	4.1	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.000029	0.00007	0.00056	0.0021	0.001	0.00084
30	January	0.0001	4.1	0.048	0.0000033	0.00021	0.00066	1.2	0.00013	0.000025	0.0000052	0.000029	0.00007	0.00056	0.0021	0.001	0.00085
30	February	0.0001	4.1	0.048	0.0000033	0.00021	0.00066	1.2	0.00013	0.000025	0.0000051	0.000029	0.00007	0.00055	0.0021	0.001	0.00087
30	March	0.0001	4.1	0.049	0.0000033	0.00021	0.00066	1.2	0.00013	0.000025	0.0000051	0.000029	0.00007	0.00055	0.0021	0.001	0.00089
30	April	0.0001	4.2	0.05	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000051	0.000029	0.000071	0.00055	0.0021	0.001	0.00092
30	May	0.0001	4.2	0.051	0.0000034	0.00021	0.00068	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00056	0.0021	0.001	0.00095
30	June	0.0001	4.2	0.052	0.0000034	0.00022	0.00069	1.2	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00057	0.0021	0.001	0.00096
30	July	0.000099	4.2	0.051	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00095
30	August	0.000099	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00092
30	September	0.000099	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00089
30	October	0.000099	4.2	0.049	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00086
30	November	0.000099	4.2	0.048	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000072	0.00057	0.0021	0.001	0.00084
30	December	0.000099	4.1	0.048	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.000031	0.000072	0.00057	0.0021	0.001	0.00084
31	January	0.000099	4.1	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00056	0.0021	0.001	0.00085
31	February	0.000099	4.1	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00056	0.0021	0.001	0.00087
31	March	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00055	0.0021	0.001	0.00089
31	April	0.000098	4.2	0.05	0.0000033	0.00021	0.00067	1.3	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00092
31	May	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.000031	0.000074	0.00057	0.0021	0.001	0.00095
31	June	0.000099	4.2	0.052	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.00003	0.000074	0.00057	0.0021	0.001	0.00096
31	July	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00057	0.0021	0.001	0.00095
31	August	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00092
31	September	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00089
31	October	0.000099	4.2	0.049	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000052	0.000031	0.000073	0.00056	0.0021	0.001	0.00086
31	November	0.000099	4.2	0.048	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000073	0.00057	0.0021	0.001	0.00084
31	December	0.000099	4.2	0.048	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000072	0.00057	0.0021	0.001	0.00084
32	January	0.000099	4.2	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.000031	0.000072	0.00056	0.0021	0.001	0.00085
32	February	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00056	0.0021	0.001	0.00087
32	March	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00055	0.0021	0.001	0.00089
32	April	0.000098	4.2	0.05	0.0000033	0.00022	0.00067	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00056	0.0021	0.001	0.00092

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.000031	0.000074	0.00057	0.0021	0.001	0.00094
32	June	0.000098	4.2	0.052	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.000031	0.000074	0.00057	0.0021	0.001	0.00096
32	July	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00057	0.0021	0.001	0.00095
32	August	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00056	0.0021	0.001	0.00092
32	September	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00089
32	October	0.000099	4.2	0.049	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000052	0.000031	0.000073	0.00057	0.0021	0.001	0.00086
32	November	0.000099	4.2	0.048	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000073	0.00057	0.0021	0.001	0.00084
32	December	0.000099	4.2	0.048	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000072	0.00057	0.0021	0.001	0.00084
33	January	0.000099	4.2	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.000031	0.000072	0.00056	0.0021	0.001	0.00085
33	February	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00056	0.0021	0.001	0.00087
33	March	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00055	0.0021	0.001	0.00089
33	April	0.000098	4.2	0.05	0.0000033	0.00022	0.00067	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00056	0.0021	0.001	0.00092
33	May	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.000031	0.000074	0.00057	0.0021	0.001	0.00094
33	June	0.000098	4.2	0.052	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.000031	0.000074	0.00057	0.0021	0.001	0.00096
33	July	0.000098	4.2	0.051	0.0000034	0.00022	0.00069	1.3	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00057	0.0021	0.001	0.00095
33	August	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000073	0.00056	0.0021	0.001	0.00092
33	September	0.000098	4.2	0.05	0.0000033	0.00021	0.00068	1.2	0.00013	0.000025	0.0000052	0.00003	0.000072	0.00056	0.0021	0.001	0.00089
33	October	0.000099	4.2	0.049	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000052	0.000031	0.000073	0.00057	0.0021	0.001	0.00086
33	November	0.000099	4.2	0.048	0.0000034	0.00022	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000073	0.00057	0.0021	0.001	0.00084
33	December	0.000099	4.2	0.048	0.0000034	0.00021	0.00068	1.2	0.00013	0.000025	0.0000053	0.000031	0.000072	0.00057	0.0021	0.001	0.00084
34	January	0.000099	4.2	0.048	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.000031	0.000072	0.00056	0.0021	0.001	0.00085
34	February	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00056	0.0021	0.001	0.00087
34	March	0.000098	4.2	0.049	0.0000033	0.00021	0.00067	1.2	0.00013	0.000025	0.0000052	0.00003	0.000071	0.00055	0.0021	0.001	0.00089
34	April	0.000097	4.2	0.049	0.0000033	0.00022	0.00067	1.3	0.00013	0.000025	0.0000052	0.000031	0.000075	0.00056	0.0021	0.001	0.00091
34	May	0.000097	4.2	0.05	0.0000033	0.00022	0.00069	1.3	0.00013	0.000024	0.0000052	0.000032	0.000084	0.00057	0.0021	0.00099	0.00091
34	June	0.000096	4.2	0.049	0.0000033	0.00022	0.00069	1.3	0.00013	0.000024	0.0000052	0.000032	0.00009	0.00058	0.002	0.00097	0.0009
34	July	0.000096	4.2	0.048	0.0000033	0.00022	0.00069	1.3	0.00013	0.000024	0.0000052	0.000032	0.000091	0.00057	0.002	0.00097	0.00088
34	August	0.000096	4.2	0.047	0.0000033	0.00022	0.00068	1.3	0.00013	0.000024	0.0000052	0.000032	0.000092	0.00057	0.002	0.00097	0.00085
34	September	0.000096	4.2	0.046	0.0000032	0.00022	0.00068	1.2	0.00013	0.000024	0.0000052	0.000033	0.000094	0.00057	0.002	0.00096	0.00082
34	October	0.000096	4.2	0.045	0.0000033	0.00022	0.00068	1.2	0.00013	0.000023	0.0000052	0.000033	0.000095	0.00057	0.002	0.00096	0.00078
34	November	0.000096	4.2	0.045	0.0000033	0.00022	0.00068	1.2	0.00013	0.000023	0.0000052	0.000033	0.000095	0.00058	0.002	0.00096	0.00076
34	December	0.000096	4.1	0.045	0.0000033	0.00022	0.00068	1.2	0.00013	0.000024	0.0000052	0.000033	0.000092	0.00057	0.002	0.00096	0.00076
35	January	0.000096	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000024	0.0000052	0.000032	0.00009	0.00057	0.002	0.00097	0.00078
35	February	0.000096	4.1	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000024	0.0000052	0.000032	0.000088	0.00056	0.002	0.00097	0.00081
35	March	0.000096	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000087	0.00056	0.002	0.00097	0.00084
35	April	0.000095	4.2	0.047	0.0000032	0.00022	0.00067	1.2	0.00013	0.000024	0.0000051	0.000032	0.00009	0.00056	0.002	0.00097	0.00085
35	May	0.000095	4.2	0.048	0.0000033	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000094	0.00057	0.002	0.00096	0.00087
35	June	0.000095	4.2	0.048	0.0000033	0.00022	0.00069	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00096	0.00087
35	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00096	0.00086
35	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00084
35	September	0.000095	4.2	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000096	0.00057	0.002	0.00095	0.0008
35	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
35	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000096	0.00058	0.002	0.00095	0.00075
35	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00096	0.00076
36	January	0.000096	4.1	0.045	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
36	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
36	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
36	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
36	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
36	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
36	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
36	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
36	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
36	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
36	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
36	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
37	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
37	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
37	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
37	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
37	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
37	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
37	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
37	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
37	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
37	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
37	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
38	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
38	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
38	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
38	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
38	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
38	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
38	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
38	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
38	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
38	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
38	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
38	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
39	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
39	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
39	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
39	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
39	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
39	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
39	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
39	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
39	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
39	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
39	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
39	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
40	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
40	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
40	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
40	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
40	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
40	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
40	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
40	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
40	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
40	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
40	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
40	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
41	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
41	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
41	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
41	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
41	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
41	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
41	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
41	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
41	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
41	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
41	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
42	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
42	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
42	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
42	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
42	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
42	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
42	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
42	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
42	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
42	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
42	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
42	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
43	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
43	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
43	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
43	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
43	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
43	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
43	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
43	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
43	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
43	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
43	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
43	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
44	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
44	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
44	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
44	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
44	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
44	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
44	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
44	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
44	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
44	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
44	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
44	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
45	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
45	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
45	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
45	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
45	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
45	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
45	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
45	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
45	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
45	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
45	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
45	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
46	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
46	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
46	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
46	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
46	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
46	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
46	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
46	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
46	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
46	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
46	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
47	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
47	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
47	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
47	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
47	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
47	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
47	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
47	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
47	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
47	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
47	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
47	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
48	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
48	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
48	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
48	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
48	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
48	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
48	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
48	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
48	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
48	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
48	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
48	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
49	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
49	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
49	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
49	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
49	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
49	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
49	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
49	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
49	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
49	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
49	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
49	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
50	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
50	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
50	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
50	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
50	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
50	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
50	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
50	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
50	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
50	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
50	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
50	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
51	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
51	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
51	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
51	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
51	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
51	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
51	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
51	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
51	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
51	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
51	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
52	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
52	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
52	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
52	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
52	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
52	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
52	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
52	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
52	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
52	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
52	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
52	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
53	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
53	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
53	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
53	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
53	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
53	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
53	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
53	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
53	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
53	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
53	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
53	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
54	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
54	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
54	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
54	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
54	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
54	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
54	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
54	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
54	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
54	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
54	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
54	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
55	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
55	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
55	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
55	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
55	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
55	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
55	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
55	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
55	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
55	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
55	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
56	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
56	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
56	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
56	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
56	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
56	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
56	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
56	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
56	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
56	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
56	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
56	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
57	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
57	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
57	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
57	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
57	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
57	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
57	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
57	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
57	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
57	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
57	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
57	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
58	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
58	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
58	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
58	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
58	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
58	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
58	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
58	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
58	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
58	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
58	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
58	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
59	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
59	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
59	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
59	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
59	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
59	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
59	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
59	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
59	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
59	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
59	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
59	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
60	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
60	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
60	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
60	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
60	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
60	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
60	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
60	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
60	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
60	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
60	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
61	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
61	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
61	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
61	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
61	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
61	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
61	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
61	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
61	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
61	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
61	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
61	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
62	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
62	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
62	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
62	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
62	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
62	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
62	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
62	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
62	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
62	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
62	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
62	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
63	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
63	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
63	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
63	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
63	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
63	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
63	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
63	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
63	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
63	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
63	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
63	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
64	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
64	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
64	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
64	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
64	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
64	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
64	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
64	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
64	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
64	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
64	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
64	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
65	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
65	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
65	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
65	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
65	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
65	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
65	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
65	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
65	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
65	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
65	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
66	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
66	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
66	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
66	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
66	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
66	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
66	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
66	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
66	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
66	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
66	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
66	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
67	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
67	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
67	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
67	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
67	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
67	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
67	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
67	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
67	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
67	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
67	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
67	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
68	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
68	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
68	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
68	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
68	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
68	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
68	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
68	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
68	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
68	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
68	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
68	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
69	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
69	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
69	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
69	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
69	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
69	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
69	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
69	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083

Table G-15: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-L6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
69	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
69	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
69	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075
70	January	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000092	0.00057	0.002	0.00096	0.00077
70	February	0.000096	4.1	0.045	0.0000032	0.00021	0.00066	1.2	0.00013	0.000023	0.0000051	0.000031	0.00009	0.00056	0.002	0.00096	0.0008
70	March	0.000095	4.1	0.046	0.0000032	0.00021	0.00066	1.2	0.00013	0.000024	0.0000051	0.000031	0.000089	0.00056	0.002	0.00096	0.00083
70	April	0.000095	4.1	0.046	0.0000032	0.00022	0.00066	1.2	0.00013	0.000023	0.0000051	0.000032	0.000091	0.00056	0.002	0.00096	0.00085
70	May	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000095	0.00057	0.002	0.00096	0.00086
70	June	0.000095	4.2	0.048	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00058	0.002	0.00095	0.00087
70	July	0.000095	4.2	0.047	0.0000032	0.00022	0.00068	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.00086
70	August	0.000095	4.2	0.046	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000096	0.00057	0.002	0.00095	0.00083
70	September	0.000095	4.1	0.045	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000032	0.000097	0.00057	0.002	0.00095	0.0008
70	October	0.000095	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000051	0.000033	0.000098	0.00057	0.002	0.00095	0.00077
70	November	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000033	0.000097	0.00058	0.002	0.00095	0.00075
70	December	0.000096	4.1	0.044	0.0000032	0.00022	0.00067	1.2	0.00013	0.000023	0.0000052	0.000032	0.000094	0.00057	0.002	0.00095	0.00075

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	5.2	0.15	0.029	0.015	0.021	1.0	0.004	0.073	0.00045	0.0031	0.000011	0.0058	0.0000041	13	0.00045	0.00013	0.00061	0.3
-6	February	5.2	0.15	0.029	0.015	0.021	1.0	0.004	0.074	0.00045	0.0031	0.000011	0.0058	0.0000042	13	0.00046	0.00013	0.00061	0.3
-6	March	5.2	0.15	0.029	0.015	0.021	1.0	0.004	0.075	0.00045	0.0031	0.000011	0.0058	0.0000042	13	0.00046	0.00013	0.00061	0.3
-6	April	5.2	0.15	0.029	0.015	0.021	1.0	0.004	0.076	0.00045	0.0032	0.000011	0.0058	0.0000043	13	0.00047	0.00013	0.00062	0.31
-6	May	5.1	0.15	0.029	0.015	0.021	1.0	0.0041	0.08	0.00045	0.0032	0.000011	0.0058	0.0000045	13	0.00049	0.00015	0.00063	0.33
-6	June	5.0	0.14	0.029	0.015	0.021	1.0	0.0041	0.086	0.00045	0.0033	0.000011	0.0058	0.0000047	13	0.00052	0.00016	0.00064	0.35
-6	July	4.9	0.14	0.029	0.015	0.021	1.0	0.0042	0.09	0.00045	0.0033	0.000011	0.0057	0.0000048	13	0.00054	0.00017	0.00065	0.36
-6	August	4.9	0.13	0.029	0.015	0.021	1.0	0.0041	0.091	0.00045	0.0033	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00065	0.36
-6	September	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.093	0.00045	0.0033	0.000011	0.0056	0.0000049	13	0.00055	0.00018	0.00066	0.37
-6	October	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.094	0.00045	0.0033	0.000011	0.0056	0.000005	13	0.00056	0.00018	0.00066	0.37
-6	November	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.096	0.00045	0.0033	0.000011	0.0055	0.000005	13	0.00056	0.00019	0.00066	0.38
-6	December	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.096	0.00045	0.0033	0.000011	0.0055	0.000005	13	0.00057	0.00019	0.00066	0.38
-5	January	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.096	0.00045	0.0033	0.000011	0.0055	0.000005	13	0.00057	0.00019	0.00066	0.38
-5	February	4.7	0.11	0.029	0.015	0.021	1.0	0.0041	0.096	0.00045	0.0033	0.000011	0.0055	0.000005	13	0.00057	0.00019	0.00066	0.38
-5	March	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.096	0.00045	0.0033	0.000011	0.0056	0.000005	13	0.00056	0.00019	0.00066	0.38
-5	April	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.096	0.00045	0.0033	0.000011	0.0056	0.0000051	13	0.00057	0.00019	0.00066	0.38
-5	May	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.098	0.00045	0.0034	0.000011	0.0056	0.0000052	13	0.00058	0.00019	0.00067	0.39
-5	June	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000053	13	0.00059	0.0002	0.00068	0.4
-5	July	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000053	13	0.00059	0.0002	0.00068	0.4
-5	August	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000052	13	0.00059	0.0002	0.00068	0.4
-5	September	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.4
-5	October	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.4
-5	November	4.6	0.11	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	13	0.00059	0.0002	0.00068	0.4
-5	December	4.6	0.11	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	12	0.00059	0.0002	0.00068	0.4
-4	January	4.6	0.11	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.4
-4	February	4.6	0.11	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.39
-4	March	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.39
-4	April	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000052	13	0.00059	0.0002	0.00067	0.4
-4	May	4.6	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000053	13	0.0006	0.0002	0.00068	0.4
-4	June	4.7	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000054	13	0.0006	0.00021	0.00068	0.41
-4	July	4.6	0.12	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0056	0.0000054	13	0.0006	0.00021	0.00068	0.41
-4	August	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	13	0.0006	0.00021	0.00068	0.4
-4	September	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	13	0.0006	0.00021	0.00068	0.4
-4	October	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	13	0.0006	0.00021	0.00068	0.4
-4	November	4.5	0.1	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	13	0.0006	0.00021	0.00068	0.4
-4	December	4.5	0.1	0.028	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0055	0.0000053	12	0.0006	0.00021	0.00068	0.4
-3	January	4.5	0.1	0.028	0.015	0.021	1.0	0.0042	0.11	0.00045	0.0034	0.000012	0.0055	0.0000063	13	0.0006	0.00021	0.0007	0.41
-3	February	4.6	0.11	0.028	0.015	0.021	1.0	0.0042	0.13	0.00045	0.0035	0.000012	0.0055	0.0000085	13	0.00062	0.00021	0.00074	0.42
-3	March	4.6	0.11	0.029	0.015	0.021	1.0	0.0042	0.14	0.00045	0.0037	0.000012	0.0055	0.00001	13	0.00063	0.00022	0.00078	0.43
-3	April	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.15	0.00045	0.0038	0.000012	0.0055	0.000012	13	0.00064	0.00022	0.00082	0.44
-3	May	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.16	0.00045	0.0039	0.000012	0.0056	0.000014	13	0.00066	0.00023	0.00085	0.45
-3	June	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00067	0.00023	0.00087	0.46
-3	July	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.004	0.000012	0.0056	0.000015	13	0.00067	0.00023	0.00088	0.46
-3	August	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0055	0.000016	13	0.00067	0.00024	0.00089	0.47
-3	September	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.19	0.00045	0.0041	0.000013	0.0055	0.000017	13	0.00068	0.00024	0.00091	0.47
-3	October	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0041	0.000013	0.0055	0.000019	13	0.00069	0.00024	0.00094	0.48
-3	November	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.21	0.00045	0.0042	0.000013	0.0055	0.00002	13	0.0007	0.00025	0.00097	0.49
-3	December	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.22	0.00045	0.0043	0.000013	0.0055	0.000021	13	0.00071	0.00025	0.001	0.5
-2	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.23	0.00046	0.0044	0.000013	0.0055	0.000023	13	0.00072	0.00025	0.001	0.5
-2	February	4.6	0.11	0.028	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0044	0.000013	0.0055	0.000024	13	0.00072	0.00026	0.0011	0.51
-2	March	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.25	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00073	0.00026	0.0011	0.52
-2	April	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.26	0.00046	0.0046	0.000013	0.0055	0.000027	13	0.00074	0.00026	0.0011	0.52
-2	May	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.26	0.00046	0.0046	0.000013	0.0056	0.000027	13	0.00074	0.00026	0.0011	0.53
-2	June	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.25	0.00046	0.0045	0.000013	0.0056	0.000025	13	0.00074	0.00026	0.0011	0.52
-2	July	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.23	0.00046	0.0044	0.000013	0.0056	0.000023	13	0.00073	0.00026	0.001	0.51
-2	August	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.23	0.00046	0.0044	0.000013	0.0055	0.000023	13	0.00072	0.00025	0.001	0.5

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.23	0.00046	0.0044	0.000013	0.0055	0.000023	13	0.00072	0.00025	0.001	0.51
-2	October	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0044	0.000013	0.0055	0.000024	13	0.00073	0.00026	0.001	0.51
-2	November	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.25	0.00046	0.0045	0.000013	0.0055	0.000025	13	0.00073	0.00026	0.0011	0.52
-2	December	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.25	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00074	0.00026	0.0011	0.52
-1	January	4.5	0.1	0.028	0.015	0.022	1.0	0.0042	0.26	0.00046	0.0046	0.000013	0.0055	0.000027	13	0.00074	0.00026	0.0011	0.52
-1	February	4.6	0.11	0.028	0.015	0.022	1.0	0.0042	0.27	0.00046	0.0046	0.000014	0.0055	0.000028	13	0.00075	0.00027	0.0011	0.53
-1	March	4.6	0.11	0.028	0.015	0.022	1.0	0.0042	0.28	0.00046	0.0047	0.000014	0.0055	0.000029	13	0.00075	0.00027	0.0011	0.53
-1	April	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.28	0.00046	0.0048	0.000014	0.0055	0.00003	13	0.00076	0.00027	0.0012	0.54
-1	May	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.28	0.00046	0.0048	0.000014	0.0056	0.000029	13	0.00076	0.00027	0.0012	0.54
-1	June	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.26	0.00046	0.0046	0.000013	0.0056	0.000027	13	0.00075	0.00027	0.0011	0.53
-1	July	4.6	0.12	0.029	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0045	0.000013	0.0056	0.000025	13	0.00073	0.00026	0.0011	0.52
-1	August	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0044	0.000013	0.0055	0.000024	13	0.00072	0.00025	0.001	0.51
-1	September	4.6	0.11	0.029	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0044	0.000013	0.0055	0.000024	13	0.00072	0.00025	0.001	0.5
-1	October	4.6	0.11	0.028	0.015	0.022	1.0	0.0041	0.24	0.00046	0.0044	0.000013	0.0055	0.000024	13	0.00072	0.00025	0.001	0.5
-1	November	4.6	0.11	0.028	0.015	0.022	1.0	0.0041	0.25	0.00046	0.0045	0.000013	0.0055	0.000025	13	0.00072	0.00025	0.0011	0.51
-1	December	4.6	0.1	0.028	0.015	0.022	1.0	0.0041	0.25	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00072	0.00025	0.0011	0.51
1	January	4.6	0.11	0.028	0.015	0.022	1.0	0.0041	0.26	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00072	0.00025	0.0011	0.51
1	February	4.6	0.11	0.028	0.015	0.022	1.0	0.0041	0.25	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00072	0.00025	0.0011	0.51
1	March	4.6	0.11	0.028	0.015	0.022	1.0	0.0041	0.26	0.00046	0.0045	0.000013	0.0055	0.000027	13	0.00072	0.00025	0.0011	0.51
1	April	4.7	0.11	0.029	0.015	0.022	1.0	0.0041	0.25	0.00046	0.0045	0.000013	0.0055	0.000026	13	0.00072	0.00025	0.0011	0.51
1	May	4.7	0.12	0.029	0.015	0.022	1.0	0.0042	0.24	0.00046	0.0045	0.000013	0.0056	0.000025	13	0.00071	0.00024	0.0011	0.5
1	June	4.8	0.12	0.029	0.015	0.022	1.0	0.0042	0.22	0.00046	0.0043	0.000013	0.0056	0.000022	13	0.00069	0.00024	0.001	0.48
1	July	4.8	0.12	0.029	0.015	0.022	1.0	0.0042	0.2	0.00045	0.0042	0.000013	0.0056	0.00002	13	0.00067	0.00023	0.00095	0.47
1	August	4.7	0.12	0.029	0.015	0.022	1.0	0.0041	0.19	0.00045	0.0041	0.000013	0.0056	0.000018	13	0.00065	0.00022	0.00093	0.45
1	September	4.7	0.12	0.029	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0056	0.000018	13	0.00065	0.00022	0.00092	0.45
1	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0055	0.000018	13	0.00065	0.00022	0.00091	0.45
1	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0055	0.000018	12	0.00065	0.00022	0.00091	0.45
1	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0055	0.000018	12	0.00065	0.00022	0.00092	0.45
2	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0055	0.000018	12	0.00065	0.00022	0.00092	0.45
2	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.2	0.00045	0.0041	0.000013	0.0055	0.000019	13	0.00065	0.00022	0.00093	0.45
2	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.2	0.00045	0.0041	0.000013	0.0055	0.000019	13	0.00065	0.00022	0.00094	0.45
2	April	4.7	0.12	0.029	0.015	0.022	1.0	0.0041	0.2	0.00045	0.0041	0.000013	0.0056	0.000019	13	0.00065	0.00022	0.00094	0.45
2	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.19	0.00045	0.0041	0.000012	0.0056	0.000019	13	0.00065	0.00022	0.00093	0.45
2	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00064	0.00022	0.00089	0.44
2	July	4.8	0.12	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00063	0.00021	0.00087	0.43
2	August	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00085	0.43
2	September	4.7	0.12	0.029	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00085	0.43
2	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000015	13	0.00062	0.00021	0.00086	0.43
2	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000015	12	0.00063	0.00021	0.00086	0.43
2	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00087	0.43
3	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
3	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	12	0.00063	0.00021	0.00089	0.43
3	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.0009	0.44
3	April	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.19	0.00045	0.004	0.000012	0.0056	0.000018	13	0.00064	0.00021	0.00091	0.44
3	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.44
3	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000016	13	0.00063	0.00021	0.00087	0.43
3	July	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00085	0.43
3	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
3	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.00021	0.00084	0.42
3	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000015	13	0.00062	0.00021	0.00084	0.42
3	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
3	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
4	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00087	0.43
4	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
4	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
4	April	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.44

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.44
4	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00087	0.43
4	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0039	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00085	0.43
4	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
4	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
4	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
4	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
4	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
5	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
5	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
5	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
5	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
5	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
5	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
5	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
5	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
5	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
5	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.00021	0.00084	0.42
5	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
5	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
6	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
6	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
6	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
6	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
6	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
6	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
6	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
6	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
6	September	4.7	0.12	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
6	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.0002	0.00084	0.42
6	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
6	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
7	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
7	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00088	0.43
7	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
7	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
7	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
7	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
7	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
7	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
7	September	4.8	0.12	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
7	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.0002	0.00084	0.42
7	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
7	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
8	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
8	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00088	0.43
8	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
8	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
8	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
8	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
8	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
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8	September	4.8	0.12	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
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Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
9	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00088	0.43
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Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
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15	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
15	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
15	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
15	September	4.8	0.12	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
15	October	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.0002	0.00084	0.42
15	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
15	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
16	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
16	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00088	0.43
16	March	4.7	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
16	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
16	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
16	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
16	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
16	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
16	September	4.8	0.12	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
16	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.0002	0.00084	0.42
16	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
16	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
17	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
17	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
17	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
17	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
17	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
17	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
17	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
17	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
17	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
17	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
17	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
17	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
18	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
18	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
18	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
18	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
18	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
18	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
18	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
18	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
18	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
18	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
18	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
19	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
19	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
19	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
19	April	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
19	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
19	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
19	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
19	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
19	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
19	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
19	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
19	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
20	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
20	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
20	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
20	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
20	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
20	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
20	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
20	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
20	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
20	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
20	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
20	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
21	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
21	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
21	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
21	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
21	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
21	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
21	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
21	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
21	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
21	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
21	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
21	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
22	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
22	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
22	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
22	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
22	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
22	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
22	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
22	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
22	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
22	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
22	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
22	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
23	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
23	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
23	April	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
23	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
23	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
23	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
23	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
23	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
23	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
23	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
23	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
24	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
24	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
24	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
24	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
24	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
24	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
24	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
24	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
24	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
24	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
24	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
24	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
25	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
25	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
25	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
25	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
25	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
25	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
25	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
25	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
25	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
25	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
25	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
25	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
26	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00062	0.00021	0.00087	0.43
26	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000016	12	0.00063	0.00021	0.00088	0.43
26	March	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.0039	0.000012	0.0055	0.000017	13	0.00063	0.00021	0.00089	0.43
26	April	4.8	0.12	0.028	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.0009	0.43
26	May	4.8	0.12	0.029	0.015	0.022	1.0	0.0041	0.18	0.00045	0.004	0.000012	0.0056	0.000017	13	0.00063	0.00021	0.00089	0.43
26	June	4.8	0.13	0.029	0.015	0.022	1.0	0.0042	0.17	0.00045	0.0039	0.000012	0.0056	0.000015	13	0.00062	0.00021	0.00086	0.43
26	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00062	0.00021	0.00084	0.42
26	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00083	0.42
26	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00084	0.42
26	October	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00062	0.00021	0.00084	0.42
26	November	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00085	0.42
26	December	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.43
27	January	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.17	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00062	0.00021	0.00086	0.42
27	February	4.7	0.11	0.028	0.015	0.022	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000015	12	0.00061	0.0002	0.00084	0.42
27	March	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0055	0.000014	13	0.00061	0.0002	0.00083	0.42
27	April	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.16	0.00045	0.0038	0.000012	0.0056	0.000014	13	0.00061	0.0002	0.00082	0.41
27	May	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.15	0.00045	0.0037	0.000012	0.0056	0.000012	13	0.0006	0.0002	0.0008	0.41
27	June	4.8	0.13	0.029	0.015	0.021	1.0	0.0042	0.14	0.00045	0.0037	0.000012	0.0056	0.000011	13	0.00059	0.0002	0.00078	0.41
27	July	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.13	0.00045	0.0036	0.000012	0.0056	0.0000096	13	0.00059	0.00019	0.00075	0.4
27	August	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.12	0.00045	0.0035	0.000012	0.0056	0.0000088	13	0.00058	0.00019	0.00073	0.39

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	4.7	0.12	0.029	0.015	0.021	1.0	0.0041	0.12	0.00045	0.0035	0.000012	0.0056	0.0000083	13	0.00057	0.00019	0.00072	0.39
27	October	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.12	0.00045	0.0034	0.000011	0.0055	0.000008	12	0.00057	0.00019	0.00071	0.38
27	November	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0055	0.0000077	12	0.00057	0.00019	0.00071	0.38
27	December	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0055	0.0000074	12	0.00057	0.00019	0.0007	0.38
28	January	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0055	0.0000072	12	0.00057	0.00019	0.0007	0.38
28	February	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0055	0.000007	12	0.00056	0.00019	0.00069	0.38
28	March	4.7	0.11	0.028	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0056	0.0000069	12	0.00056	0.00018	0.00069	0.38
28	April	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.11	0.00045	0.0034	0.000011	0.0056	0.0000068	13	0.00056	0.00018	0.00069	0.37
28	May	4.8	0.12	0.029	0.015	0.021	1.0	0.0041	0.1	0.00045	0.0034	0.000011	0.0056	0.0000065	13	0.00056	0.00018	0.00069	0.38
28	June	4.8	0.13	0.029	0.015	0.021	1.0	0.0042	0.1	0.00045	0.0034	0.000011	0.0057	0.0000062	13	0.00056	0.00019	0.00068	0.38
28	July	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.1	0.00046	0.0034	0.000011	0.0057	0.0000059	13	0.00056	0.00018	0.00068	0.38
28	August	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.099	0.00046	0.0033	0.000011	0.0056	0.0000057	13	0.00056	0.00018	0.00067	0.37
28	September	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.098	0.00046	0.0033	0.000011	0.0056	0.0000056	13	0.00056	0.00018	0.00067	0.37
28	October	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.098	0.00046	0.0033	0.000011	0.0056	0.0000055	12	0.00056	0.00018	0.00067	0.37
28	November	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.098	0.00046	0.0033	0.000011	0.0056	0.0000055	12	0.00056	0.00018	0.00066	0.37
28	December	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.098	0.00046	0.0033	0.000011	0.0055	0.0000054	12	0.00056	0.00018	0.00066	0.37
29	January	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.097	0.00046	0.0033	0.000011	0.0056	0.0000054	12	0.00055	0.00018	0.00066	0.37
29	February	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.096	0.00046	0.0033	0.000011	0.0056	0.0000053	12	0.00055	0.00018	0.00066	0.37
29	March	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.096	0.00046	0.0033	0.000011	0.0056	0.0000053	13	0.00055	0.00018	0.00066	0.37
29	April	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000053	13	0.00055	0.00018	0.00066	0.37
29	May	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0057	0.0000053	13	0.00055	0.00018	0.00066	0.37
29	June	4.8	0.13	0.029	0.015	0.021	1.1	0.0042	0.095	0.00046	0.0033	0.000011	0.0057	0.0000053	13	0.00056	0.00018	0.00066	0.37
29	July	4.8	0.12	0.029	0.015	0.021	1.1	0.0042	0.095	0.00046	0.0033	0.000011	0.0057	0.0000052	13	0.00056	0.00018	0.00066	0.37
29	August	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0057	0.0000052	13	0.00056	0.00018	0.00066	0.37
29	September	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000051	13	0.00055	0.00018	0.00066	0.37
29	October	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000051	13	0.00055	0.00018	0.00066	0.37
29	November	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000051	12	0.00055	0.00018	0.00066	0.37
29	December	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000051	12	0.00055	0.00018	0.00066	0.37
30	January	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.095	0.00046	0.0033	0.000011	0.0056	0.0000051	12	0.00055	0.00018	0.00065	0.37
30	February	4.7	0.11	0.028	0.015	0.021	1.1	0.0041	0.094	0.00046	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
30	March	4.8	0.11	0.028	0.015	0.021	1.1	0.0041	0.094	0.00046	0.0033	0.000011	0.0056	0.000005	13	0.00055	0.00018	0.00065	0.37
30	April	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.093	0.00046	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
30	May	4.8	0.12	0.029	0.015	0.021	1.1	0.0041	0.094	0.00046	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
30	June	4.9	0.13	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
30	July	4.8	0.12	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
30	August	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
30	September	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
30	October	4.8	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	13	0.00055	0.00018	0.00065	0.37
30	November	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
30	December	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
31	January	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
31	February	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
31	March	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
31	April	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
31	May	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
31	June	4.9	0.13	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
31	July	4.8	0.12	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
31	August	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
31	September	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
31	October	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
31	November	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
31	December	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
32	January	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
32	February	4.8	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	12	0.00055	0.00018	0.00065	0.37
32	March	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
32	April	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
32	June	4.9	0.13	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
32	July	4.8	0.12	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
32	August	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
32	September	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
32	October	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
32	November	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
32	December	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
33	January	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
33	February	4.8	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	12	0.00055	0.00018	0.00065	0.37
33	March	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
33	April	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
33	May	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
33	June	4.9	0.13	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
33	July	4.8	0.12	0.029	0.015	0.021	1.2	0.0042	0.094	0.00047	0.0033	0.000011	0.0058	0.0000051	13	0.00056	0.00019	0.00066	0.37
33	August	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00056	0.00018	0.00066	0.37
33	September	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
33	October	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
33	November	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
33	December	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00056	0.00018	0.00065	0.37
34	January	4.7	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0056	0.000005	12	0.00055	0.00018	0.00065	0.37
34	February	4.8	0.11	0.028	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.000005	12	0.00055	0.00018	0.00065	0.37
34	March	4.8	0.11	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
34	April	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.093	0.00047	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00065	0.37
34	May	4.8	0.12	0.029	0.015	0.021	1.2	0.0041	0.094	0.00047	0.0033	0.000011	0.0057	0.0000051	13	0.00055	0.00018	0.00066	0.37
34	June	4.8	0.12	0.03	0.015	0.021	1.2	0.0041	0.094	0.00046	0.0033	0.000011	0.0058	0.0000051	13	0.00055	0.00018	0.00067	0.38
34	July	4.7	0.12	0.03	0.015	0.022	1.2	0.0041	0.093	0.00046	0.0033	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00067	0.37
34	August	4.6	0.12	0.03	0.015	0.022	1.2	0.004	0.093	0.00046	0.0032	0.000011	0.0057	0.000005	13	0.00055	0.00018	0.00067	0.37
34	September	4.6	0.11	0.03	0.015	0.022	1.2	0.004	0.092	0.00046	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00067	0.37
34	October	4.5	0.11	0.03	0.014	0.022	1.2	0.004	0.092	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00067	0.37
34	November	4.5	0.1	0.03	0.014	0.022	1.2	0.004	0.092	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00067	0.37
34	December	4.5	0.1	0.03	0.014	0.022	1.2	0.004	0.092	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00067	0.37
35	January	4.5	0.1	0.03	0.014	0.022	1.2	0.004	0.092	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00067	0.37
35	February	4.5	0.11	0.03	0.014	0.022	1.2	0.004	0.091	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00053	0.00018	0.00067	0.36
35	March	4.5	0.11	0.03	0.014	0.022	1.2	0.004	0.091	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00053	0.00018	0.00067	0.36
35	April	4.6	0.11	0.03	0.014	0.022	1.2	0.004	0.091	0.00045	0.0032	0.000011	0.0056	0.0000049	13	0.00053	0.00018	0.00067	0.36
35	May	4.6	0.12	0.03	0.014	0.022	1.2	0.004	0.091	0.00045	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00067	0.37
35	June	4.6	0.12	0.031	0.014	0.022	1.2	0.004	0.092	0.00045	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
35	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
35	August	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
35	September	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
35	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
35	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
35	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
36	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
36	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
36	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
36	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
36	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
36	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	September	4.4	0.11	0.03	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
36	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
37	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
37	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
37	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
37	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
37	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
37	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
37	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
37	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
37	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
37	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
37	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
38	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
38	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
38	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
38	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
38	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
38	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
38	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
38	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
38	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
38	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
38	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
38	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
39	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
39	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
39	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
39	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
39	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
39	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
39	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
39	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
39	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
39	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
39	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
39	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
40	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
40	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
40	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
40	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
40	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
40	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
40	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
40	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
40	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
40	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
40	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
40	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
41	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
41	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
41	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
41	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
41	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
41	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
41	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
41	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
41	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
41	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
41	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
42	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
42	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
42	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
42	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
42	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
42	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
42	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
42	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
42	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
42	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
42	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
42	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
43	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
43	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
43	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
43	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
43	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
43	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
43	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
43	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
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43	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
44	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
44	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
44	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
44	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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44	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
45	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
45	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
45	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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45	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
46	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
46	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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46	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
46	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
46	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
46	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
46	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
46	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
46	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
46	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
47	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
47	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
47	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
47	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
47	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
47	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
47	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
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47	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
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48	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
48	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
48	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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48	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
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49	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
49	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
49	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
49	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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49	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
49	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
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50	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
50	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
50	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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50	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
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50	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
50	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
50	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
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50	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
51	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
51	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
51	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
51	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
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51	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
51	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
52	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
52	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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53	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
53	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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54	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
54	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
54	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
54	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
54	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
54	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
54	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
54	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
54	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
54	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
54	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
54	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
55	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
55	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
55	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
55	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
55	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
55	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
55	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
55	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
55	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
55	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
55	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
56	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
56	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
56	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
56	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
56	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
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56	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
56	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
56	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
56	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
56	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
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57	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
57	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
57	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
57	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
57	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
57	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
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57	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
58	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
58	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
58	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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59	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
59	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
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60	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
60	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
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62	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
62	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
62	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
62	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
62	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
62	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
62	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
62	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
62	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
62	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
62	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
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63	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
63	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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63	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
63	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
63	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
63	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
64	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
64	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
64	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
64	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
64	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
64	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
64	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
64	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
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Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
65	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
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Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
69	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
69	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
69	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37
70	January	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
70	February	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00067	0.36
70	March	4.5	0.11	0.03	0.014	0.022	1.1	0.0039	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
70	April	4.5	0.11	0.03	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00067	0.36
70	May	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.09	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00017	0.00068	0.37
70	June	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0057	0.0000049	13	0.00054	0.00018	0.00068	0.37
70	July	4.5	0.12	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000049	13	0.00054	0.00018	0.00068	0.37
70	August	4.5	0.11	0.031	0.014	0.022	1.1	0.004	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
70	September	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
70	October	4.4	0.11	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0032	0.000011	0.0056	0.0000048	13	0.00053	0.00018	0.00068	0.37
70	November	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00018	0.00068	0.37
70	December	4.4	0.1	0.03	0.014	0.022	1.1	0.0039	0.091	0.00044	0.0031	0.000011	0.0055	0.0000048	13	0.00053	0.00017	0.00068	0.37

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000088	4.1	0.048	0.0000026	0.00019	0.00054	1.4	0.00012	0.000025	0.0000045	0.000024	0.000063	0.00044	0.0017	0.001	0.0013
-6	February	0.000089	4.1	0.048	0.0000026	0.00019	0.00054	1.4	0.00012	0.000025	0.0000045	0.000024	0.000063	0.00044	0.0017	0.001	0.0012
-6	March	0.000089	4.1	0.049	0.0000027	0.00019	0.00055	1.4	0.00012	0.000025	0.0000045	0.000024	0.000064	0.00044	0.0017	0.001	0.0013
-6	April	0.000089	4.1	0.049	0.0000027	0.00019	0.00055	1.4	0.00012	0.000025	0.0000045	0.000024	0.000064	0.00045	0.0017	0.001	0.0013
-6	May	0.00009	4.1	0.051	0.0000028	0.00019	0.00057	1.4	0.00012	0.000025	0.0000045	0.000024	0.000065	0.00046	0.0018	0.001	0.0013
-6	June	0.000091	4.2	0.051	0.0000029	0.00019	0.00058	1.4	0.00012	0.000025	0.0000046	0.000024	0.000065	0.00048	0.0018	0.001	0.0012
-6	July	0.000093	4.1	0.051	0.0000029	0.00019	0.00059	1.3	0.00012	0.000025	0.0000047	0.000025	0.000066	0.00049	0.0019	0.001	0.0012
-6	August	0.000093	4.1	0.05	0.0000029	0.00019	0.0006	1.3	0.00012	0.000025	0.0000047	0.000025	0.000065	0.0005	0.0019	0.001	0.0011
-6	September	0.000094	4.1	0.049	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.0005	0.0019	0.001	0.0011
-6	October	0.000094	4.1	0.048	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.0005	0.0019	0.001	0.001
-6	November	0.000095	4.1	0.048	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.00051	0.002	0.001	0.00099
-6	December	0.000095	4.1	0.047	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000049	0.000026	0.000065	0.00051	0.002	0.001	0.00097
-5	January	0.000095	4.1	0.047	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000049	0.000026	0.000065	0.00051	0.002	0.001	0.00097
-5	February	0.000095	4.1	0.048	0.000003	0.00019	0.0006	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.00051	0.002	0.001	0.00098
-5	March	0.000095	4.1	0.048	0.000003	0.00019	0.00061	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.00051	0.002	0.001	0.001
-5	April	0.000095	4.1	0.049	0.000003	0.00019	0.00061	1.3	0.00012	0.000025	0.0000048	0.000026	0.000065	0.00051	0.002	0.001	0.001
-5	May	0.000095	4.1	0.05	0.0000031	0.00019	0.00062	1.3	0.00012	0.000025	0.0000048	0.000026	0.000066	0.00052	0.002	0.001	0.001
-5	June	0.000096	4.1	0.051	0.0000031	0.00019	0.00062	1.3	0.00012	0.000025	0.0000048	0.000026	0.000067	0.00052	0.002	0.001	0.0011
-5	July	0.000096	4.1	0.051	0.0000031	0.00019	0.00062	1.3	0.00012	0.000025	0.0000048	0.000026	0.000066	0.00053	0.002	0.001	0.001
-5	August	0.000096	4.1	0.05	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.001
-5	September	0.000096	4.1	0.049	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00097
-5	October	0.000097	4.1	0.048	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00094
-5	November	0.000097	4.1	0.047	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00053	0.002	0.001	0.00091
-5	December	0.000097	4.1	0.047	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00053	0.002	0.001	0.0009
-4	January	0.000097	4.1	0.047	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00053	0.002	0.001	0.00091
-4	February	0.000097	4.1	0.048	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00092
-4	March	0.000096	4.1	0.048	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00094
-4	April	0.000096	4.1	0.049	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00097
-4	May	0.000096	4.1	0.05	0.0000031	0.00019	0.00063	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.001
-4	June	0.000096	4.1	0.051	0.0000032	0.0002	0.00063	1.2	0.00012	0.000025	0.0000049	0.000026	0.000067	0.00053	0.002	0.001	0.001
-4	July	0.000096	4.1	0.05	0.0000031	0.00019	0.00063	1.2	0.00012	0.000025	0.0000049	0.000026	0.000067	0.00053	0.002	0.001	0.001
-4	August	0.000096	4.1	0.05	0.0000031	0.00019	0.00063	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00098
-4	September	0.000097	4.1	0.049	0.0000031	0.00019	0.00063	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00095
-4	October	0.000097	4.1	0.048	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.0000049	0.000026	0.000066	0.00053	0.002	0.001	0.00092
-4	November	0.000097	4.1	0.047	0.0000032	0.00019	0.00062	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00053	0.002	0.001	0.0009
-4	December	0.000097	4.1	0.047	0.0000031	0.00019	0.00062	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00053	0.002	0.001	0.00089
-3	January	0.00013	4.1	0.047	0.0000032	0.00019	0.00064	1.2	0.00012	0.000025	0.000005	0.000027	0.000066	0.00054	0.0022	0.001	0.0009
-3	February	0.00021	4.1	0.048	0.0000032	0.00019	0.00067	1.2	0.00013	0.000026	0.0000051	0.000028	0.000066	0.00056	0.0026	0.001	0.00091
-3	March	0.00028	4.1	0.048	0.0000032	0.0002	0.0007	1.2	0.00013	0.000026	0.0000052	0.000029	0.000067	0.00057	0.0029	0.0011	0.00093
-3	April	0.00034	4.1	0.049	0.0000032	0.0002	0.00073	1.2	0.00013	0.000026	0.0000052	0.000029	0.000067	0.00059	0.0032	0.0011	0.00096
-3	May	0.00039	4.1	0.051	0.0000033	0.0002	0.00076	1.3	0.00013	0.000027	0.0000053	0.00003	0.000068	0.00061	0.0034	0.0011	0.001
-3	June	0.00041	4.1	0.052	0.0000033	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.00003	0.000068	0.00061	0.0036	0.0011	0.001
-3	July	0.00043	4.1	0.052	0.0000033	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.00003	0.000068	0.00062	0.0037	0.0011	0.001
-3	August	0.00046	4.1	0.051	0.0000033	0.0002	0.00079	1.3	0.00013	0.000027	0.0000054	0.000031	0.000068	0.00063	0.0038	0.0011	0.00098
-3	September	0.0005	4.1	0.05	0.0000033	0.0002	0.00081	1.2	0.00013	0.000027	0.0000055	0.000032	0.000068	0.00064	0.004	0.0012	0.00095
-3	October	0.00055	4.1	0.05	0.0000033	0.0002	0.00083	1.2	0.00013	0.000028	0.0000056	0.000032	0.000068	0.00065	0.0042	0.0012	0.00092
-3	November	0.0006	4.1	0.049	0.0000034	0.0002	0.00085	1.2	0.00013	0.000028	0.0000057	0.000033	0.000068	0.00066	0.0045	0.0012	0.0009
-3	December	0.00065	4.1	0.049	0.0000034	0.0002	0.00087	1.2	0.00013	0.000028	0.0000057	0.000034	0.000068	0.00068	0.0047	0.0012	0.00089
-2	January	0.0007	4.1	0.049	0.0000034	0.0002	0.00089	1.2	0.00013	0.000029	0.0000058	0.000035	0.000068	0.00069	0.0049	0.0012	0.0009
-2	February	0.00075	4.1	0.05	0.0000034	0.0002	0.00091	1.3	0.00013	0.000029	0.0000058	0.000035	0.000069	0.0007	0.0052	0.0013	0.00091
-2	March	0.0008	4.1	0.05	0.0000034	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.00071	0.0054	0.0013	0.00093
-2	April	0.00084	4.1	0.051	0.0000034	0.0002	0.00095	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.00072	0.0056	0.0013	0.00096
-2	May	0.00083	4.1	0.052	0.0000034	0.0002	0.00095	1.3	0.00013	0.000029	0.0000059	0.000036	0.00007	0.00072	0.0056	0.0013	0.001
-2	June	0.00076	4.2	0.053	0.0000034	0.0002	0.00093	1.3	0.00013	0.000029	0.0000058	0.000035	0.00007	0.0007	0.0052	0.0013	0.001
-2	July	0.00071	4.1	0.053	0.0000034	0.0002	0.0009	1.3	0.00013	0.000029	0.0000057	0.000034	0.00007	0.00069	0.005	0.0012	0.001
-2	August	0.0007	4.1	0.052	0.0000034	0.0002	0.00089	1.3	0.00013	0.000029	0.0000057	0.000034	0.000069	0.00068	0.0049	0.0012	0.00098

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00071	4.1	0.051	0.0000034	0.0002	0.0009	1.3	0.00013	0.000029	0.0000058	0.000034	0.000069	0.00069	0.005	0.0012	0.00095
-2	October	0.00074	4.1	0.05	0.0000034	0.0002	0.00091	1.3	0.00013	0.000029	0.0000058	0.000035	0.000069	0.0007	0.0051	0.0012	0.00092
-2	November	0.00077	4.1	0.05	0.0000034	0.0002	0.00092	1.2	0.00013	0.000029	0.0000059	0.000035	0.000069	0.0007	0.0053	0.0013	0.0009
-2	December	0.0008	4.1	0.05	0.0000034	0.0002	0.00093	1.2	0.00013	0.000029	0.0000059	0.000036	0.000069	0.00071	0.0054	0.0013	0.00089
-1	January	0.00084	4.1	0.05	0.0000034	0.0002	0.00095	1.3	0.00013	0.000029	0.000006	0.000036	0.000069	0.00072	0.0056	0.0013	0.0009
-1	February	0.00088	4.1	0.05	0.0000034	0.0002	0.00097	1.3	0.00013	0.00003	0.000006	0.000037	0.000069	0.00073	0.0058	0.0013	0.00091
-1	March	0.00092	4.1	0.051	0.0000034	0.0002	0.00098	1.3	0.00013	0.00003	0.000006	0.000037	0.00007	0.00074	0.006	0.0013	0.00093
-1	April	0.00095	4.1	0.051	0.0000035	0.0002	0.001	1.3	0.00013	0.00003	0.0000061	0.000037	0.00007	0.00074	0.0061	0.0013	0.00096
-1	May	0.00092	4.1	0.053	0.0000035	0.0002	0.00099	1.3	0.00013	0.00003	0.000006	0.000037	0.00007	0.00074	0.006	0.0013	0.001
-1	June	0.00083	4.2	0.053	0.0000034	0.0002	0.00096	1.3	0.00013	0.000029	0.0000059	0.000036	0.00007	0.00072	0.0056	0.0013	0.001
-1	July	0.00076	4.1	0.053	0.0000034	0.0002	0.00092	1.3	0.00013	0.000029	0.0000058	0.000035	0.00007	0.0007	0.0052	0.0013	0.001
-1	August	0.00073	4.1	0.051	0.0000034	0.0002	0.0009	1.3	0.00013	0.000029	0.0000058	0.000034	0.000069	0.00069	0.0051	0.0012	0.00098
-1	September	0.00073	4.1	0.05	0.0000034	0.0002	0.0009	1.3	0.00013	0.000029	0.0000058	0.000035	0.000069	0.00069	0.0051	0.0012	0.00095
-1	October	0.00075	4.1	0.05	0.0000034	0.0002	0.00091	1.3	0.00013	0.000029	0.0000058	0.000035	0.000069	0.00069	0.0052	0.0013	0.00093
-1	November	0.00078	4.1	0.049	0.0000034	0.0002	0.00092	1.3	0.00013	0.000029	0.0000059	0.000036	0.000068	0.0007	0.0053	0.0013	0.00091
-1	December	0.00081	4.1	0.049	0.0000034	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000068	0.0007	0.0054	0.0013	0.0009
1	January	0.00083	4.1	0.049	0.0000034	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.00071	0.0055	0.0013	0.00091
1	February	0.00083	4.1	0.049	0.0000034	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.0007	0.0055	0.0013	0.00093
1	March	0.00083	4.1	0.05	0.0000033	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.0007	0.0055	0.0013	0.00095
1	April	0.00083	4.1	0.05	0.0000033	0.0002	0.00093	1.3	0.00013	0.000029	0.0000059	0.000036	0.000069	0.0007	0.0055	0.0013	0.00098
1	May	0.00077	4.1	0.052	0.0000033	0.0002	0.00091	1.3	0.00013	0.000029	0.0000057	0.000035	0.000069	0.00069	0.0052	0.0013	0.001
1	June	0.00067	4.1	0.052	0.0000033	0.0002	0.00087	1.3	0.00013	0.000028	0.0000056	0.000033	0.000069	0.00066	0.0047	0.0012	0.0011
1	July	0.00059	4.1	0.051	0.0000032	0.0002	0.00083	1.3	0.00013	0.000028	0.0000055	0.000032	0.000068	0.00064	0.0044	0.0012	0.0011
1	August	0.00055	4.1	0.05	0.0000032	0.0002	0.00081	1.3	0.00013	0.000028	0.0000054	0.000032	0.000068	0.00063	0.0042	0.0012	0.001
1	September	0.00054	4.1	0.049	0.0000032	0.0002	0.0008	1.3	0.00013	0.000028	0.0000054	0.000032	0.000067	0.00062	0.0041	0.0012	0.00099
1	October	0.00054	4.1	0.048	0.0000032	0.0002	0.0008	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00062	0.0041	0.0012	0.00096
1	November	0.00054	4.1	0.048	0.0000032	0.0002	0.0008	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00062	0.0041	0.0012	0.00094
1	December	0.00055	4.1	0.047	0.0000032	0.0002	0.0008	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00062	0.0041	0.0012	0.00093
2	January	0.00056	4.1	0.048	0.0000032	0.0002	0.0008	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00063	0.0042	0.0012	0.00094
2	February	0.00057	4.1	0.048	0.0000032	0.0002	0.00081	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00063	0.0042	0.0012	0.00096
2	March	0.00058	4.1	0.048	0.0000032	0.0002	0.00081	1.3	0.00013	0.000028	0.0000055	0.000033	0.000067	0.00063	0.0043	0.0012	0.00098
2	April	0.00059	4.1	0.049	0.0000032	0.0002	0.00082	1.3	0.00013	0.000028	0.0000055	0.000032	0.000067	0.00063	0.0043	0.0012	0.001
2	May	0.00056	4.1	0.051	0.0000032	0.0002	0.00081	1.3	0.00013	0.000028	0.0000054	0.000032	0.000068	0.00062	0.0042	0.0012	0.0011
2	June	0.0005	4.1	0.051	0.0000032	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000068	0.00061	0.0039	0.0012	0.0011
2	July	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000053	0.00003	0.000067	0.0006	0.0037	0.0011	0.0011
2	August	0.00043	4.1	0.05	0.0000031	0.0002	0.00075	1.3	0.00013	0.000027	0.0000053	0.00003	0.000067	0.00059	0.0036	0.0011	0.001
2	September	0.00043	4.1	0.049	0.0000031	0.0002	0.00075	1.3	0.00013	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0036	0.0011	0.001
2	October	0.00044	4.1	0.048	0.0000031	0.0002	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00097
2	November	0.00046	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
2	December	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00094
3	January	0.00049	4.1	0.047	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0011	0.00095
3	February	0.0005	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000032	0.000066	0.00061	0.0039	0.0012	0.00096
3	March	0.00052	4.1	0.048	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000032	0.000067	0.00061	0.004	0.0012	0.00098
3	April	0.00053	4.1	0.049	0.0000031	0.0002	0.00079	1.3	0.00013	0.000028	0.0000054	0.000032	0.000067	0.00061	0.004	0.0012	0.001
3	May	0.00051	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.00061	0.0039	0.0012	0.0011
3	June	0.00046	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.0006	0.0037	0.0011	0.0011
3	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00075	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0035	0.0011	0.0011
3	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.001
3	September	0.00041	4.1	0.049	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0035	0.0011	0.001
3	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00013	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
3	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
3	December	0.00046	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00094
4	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
4	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
4	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.00061	0.0039	0.0012	0.00099
4	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
4	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
4	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0035	0.0011	0.0011
4	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
4	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
4	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
4	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
4	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
5	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
5	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
5	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
5	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
5	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
5	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
5	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
5	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
5	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
5	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
5	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
5	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
6	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
6	February	0.00049	4.1	0.047	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
6	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
6	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
6	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
6	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
6	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
6	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
6	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
6	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
6	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
6	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
7	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
7	February	0.00049	4.1	0.047	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
7	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
7	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
7	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
7	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
7	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
7	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
7	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
7	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
7	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
7	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
8	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
8	February	0.00049	4.1	0.047	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
8	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
8	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
8	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
8	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
8	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
8	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
8	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
8	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
8	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
8	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
9	February	0.00049	4.1	0.047	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
9	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
9	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
9	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
9	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
9	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
9	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
9	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
9	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
9	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
9	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
10	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
10	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
10	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
10	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
10	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
10	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
10	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
10	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
10	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
10	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
10	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
10	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
11	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
11	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
11	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
11	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
11	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
11	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
11	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
11	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
11	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
11	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
11	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
11	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
12	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
12	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
12	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
12	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
12	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
12	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
12	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
12	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
12	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
12	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
12	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
12	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
13	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
13	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
13	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
13	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
13	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
13	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
13	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
13	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
13	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
13	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
13	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
14	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
14	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
14	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
14	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
14	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
14	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
14	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
14	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
14	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
14	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
14	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
14	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
15	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
15	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
15	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
15	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
15	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
15	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
15	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
15	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
15	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
15	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
15	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00096
15	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00095
16	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
16	February	0.00049	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
16	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
16	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000028	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
16	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
16	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0037	0.0011	0.0011
16	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
16	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
16	September	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
16	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0035	0.0011	0.00098
16	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
16	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
17	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
17	February	0.00049	4.1	0.047	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
17	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
17	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
17	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
17	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
17	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
17	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
17	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
17	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
17	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
17	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
18	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
18	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
18	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
18	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
18	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
18	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
18	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
18	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
18	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
18	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
18	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
19	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
19	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
19	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
19	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
19	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
19	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
19	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
19	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
19	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
19	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
19	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
19	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
20	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
20	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
20	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
20	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
20	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
20	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
20	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
20	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
20	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
20	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
20	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
20	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
21	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
21	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
21	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
21	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
21	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
21	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
21	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
21	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
21	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
21	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
21	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
21	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
22	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
22	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
22	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
22	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
22	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
22	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
22	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
22	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
22	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
22	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
22	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
22	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
23	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
23	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
23	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
23	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
23	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
23	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
23	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
23	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
23	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
23	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
23	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
24	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
24	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
24	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
24	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
24	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
24	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
24	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
24	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
24	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
24	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
24	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
24	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
25	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
25	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
25	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
25	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
25	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
25	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
25	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
25	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
25	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
25	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
25	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
25	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
26	January	0.00047	4.1	0.047	0.0000031	0.00019	0.00076	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0037	0.0011	0.00095
26	February	0.00049	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0038	0.0012	0.00097
26	March	0.00051	4.1	0.048	0.0000031	0.0002	0.00077	1.3	0.00013	0.000027	0.0000054	0.000031	0.000066	0.0006	0.0039	0.0012	0.00099
26	April	0.00052	4.1	0.049	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000054	0.000031	0.000067	0.00061	0.004	0.0012	0.001
26	May	0.0005	4.1	0.05	0.0000031	0.0002	0.00078	1.3	0.00013	0.000027	0.0000053	0.000031	0.000067	0.0006	0.0039	0.0012	0.0011
26	June	0.00045	4.1	0.051	0.0000031	0.0002	0.00076	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00059	0.0036	0.0011	0.0011
26	July	0.00042	4.1	0.05	0.0000031	0.0002	0.00074	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0035	0.0011	0.0011
26	August	0.00041	4.1	0.049	0.0000031	0.0002	0.00073	1.3	0.00013	0.000027	0.0000052	0.00003	0.000067	0.00058	0.0034	0.0011	0.001
26	September	0.00041	4.1	0.048	0.0000031	0.0002	0.00073	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
26	October	0.00042	4.1	0.048	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00059	0.0035	0.0011	0.00098
26	November	0.00044	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
26	December	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0037	0.0011	0.00094
27	January	0.00045	4.1	0.047	0.0000031	0.00019	0.00075	1.3	0.00013	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0036	0.0011	0.00095
27	February	0.00043	4.1	0.047	0.0000031	0.00019	0.00074	1.3	0.00012	0.000027	0.0000053	0.000031	0.000066	0.00059	0.0035	0.0011	0.00097
27	March	0.00041	4.1	0.048	0.0000031	0.00019	0.00073	1.3	0.00012	0.000027	0.0000053	0.00003	0.000066	0.00058	0.0034	0.0011	0.00099
27	April	0.00039	4.1	0.048	0.0000031	0.00019	0.00072	1.3	0.00012	0.000027	0.0000052	0.00003	0.000066	0.00058	0.0034	0.0011	0.001
27	May	0.00035	4.1	0.05	0.0000031	0.0002	0.00071	1.3	0.00012	0.000027	0.0000051	0.000029	0.000066	0.00057	0.0032	0.0011	0.0011
27	June	0.0003	4.1	0.05	0.0000031	0.0002	0.00069	1.3	0.00012	0.000026	0.000005	0.000028	0.000067	0.00055	0.0029	0.0011	0.0011
27	July	0.00025	4.1	0.05	0.0000031	0.0002	0.00067	1.3	0.00012	0.000026	0.000005	0.000028	0.000066	0.00054	0.0027	0.0011	0.0011
27	August	0.00023	4.1	0.049	0.000003	0.00019	0.00066	1.3	0.00012	0.000026	0.000005	0.000028	0.000066	0.00054	0.0026	0.0011	0.001

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00021	4.1	0.048	0.000003	0.00019	0.00065	1.3	0.00012	0.000026	0.000005	0.000028	0.000066	0.00053	0.0025	0.001	0.001
27	October	0.0002	4.1	0.047	0.000003	0.00019	0.00064	1.3	0.00012	0.000026	0.000005	0.000028	0.000065	0.00053	0.0024	0.001	0.00098
27	November	0.00019	4.1	0.046	0.000003	0.00019	0.00064	1.3	0.00012	0.000026	0.000005	0.000028	0.000065	0.00053	0.0024	0.001	0.00095
27	December	0.00018	4.1	0.046	0.000003	0.00019	0.00063	1.3	0.00012	0.000026	0.000005	0.000028	0.000065	0.00053	0.0024	0.001	0.00094
28	January	0.00017	4.1	0.046	0.000003	0.00019	0.00063	1.3	0.00012	0.000025	0.000005	0.000028	0.000065	0.00052	0.0023	0.001	0.00095
28	February	0.00017	4.1	0.046	0.000003	0.00019	0.00063	1.3	0.00012	0.000025	0.000005	0.000027	0.000065	0.00052	0.0023	0.001	0.00097
28	March	0.00016	4.1	0.047	0.000003	0.00019	0.00063	1.3	0.00012	0.000025	0.0000049	0.000027	0.000065	0.00052	0.0023	0.001	0.00098
28	April	0.00016	4.1	0.048	0.000003	0.00019	0.00062	1.3	0.00012	0.000025	0.0000049	0.000027	0.000065	0.00052	0.0022	0.001	0.001
28	May	0.00015	4.1	0.049	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00052	0.0022	0.001	0.0011
28	June	0.00014	4.1	0.05	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000048	0.000026	0.000067	0.00051	0.0021	0.001	0.0011
28	July	0.00013	4.1	0.05	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000048	0.000026	0.000066	0.00051	0.0021	0.001	0.0011
28	August	0.00012	4.1	0.049	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.0021	0.001	0.001
28	September	0.00012	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.001
28	October	0.00011	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00097
28	November	0.00011	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00095
28	December	0.00011	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00094
29	January	0.00011	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00095
29	February	0.00011	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00096
29	March	0.00011	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.00098
29	April	0.00011	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000066	0.00051	0.002	0.001	0.001
29	May	0.0001	4.1	0.049	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000048	0.000027	0.000067	0.00051	0.002	0.001	0.0011
29	June	0.0001	4.1	0.05	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000048	0.000027	0.000067	0.00051	0.002	0.001	0.0011
29	July	0.0001	4.1	0.05	0.000003	0.0002	0.00062	1.3	0.00012	0.000025	0.0000048	0.000027	0.000067	0.00051	0.002	0.001	0.0011
29	August	0.000099	4.1	0.049	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000067	0.00051	0.002	0.001	0.001
29	September	0.000099	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000067	0.00051	0.002	0.001	0.001
29	October	0.000098	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.002	0.001	0.00097
29	November	0.000098	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.002	0.001	0.00095
29	December	0.000098	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.002	0.001	0.00094
30	January	0.000097	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.002	0.001	0.00095
30	February	0.000097	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.002	0.001	0.00096
30	March	0.000097	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000028	0.000067	0.00051	0.0019	0.001	0.00098
30	April	0.000096	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00012	0.000025	0.0000049	0.000027	0.000067	0.00051	0.0019	0.001	0.001
30	May	0.000096	4.1	0.049	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000027	0.000068	0.00051	0.0019	0.001	0.0011
30	June	0.000095	4.2	0.05	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000048	0.000027	0.000068	0.00051	0.0019	0.001	0.0011
30	July	0.000095	4.2	0.05	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000027	0.000068	0.00051	0.0019	0.001	0.0011
30	August	0.000095	4.1	0.049	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
30	September	0.000095	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
30	October	0.000095	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.002	0.001	0.00097
30	November	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000028	0.000068	0.00051	0.002	0.001	0.00095
30	December	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000028	0.000068	0.00051	0.002	0.001	0.00094
31	January	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000028	0.000068	0.00051	0.002	0.001	0.00094
31	February	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000028	0.000068	0.00051	0.0019	0.001	0.00096
31	March	0.000095	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.00098
31	April	0.000094	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
31	May	0.000094	4.2	0.049	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
31	June	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
31	July	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
31	August	0.000094	4.1	0.049	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.001
31	September	0.000094	4.1	0.048	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
31	October	0.000095	4.1	0.047	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000028	0.000068	0.00051	0.0019	0.001	0.00097
31	November	0.000095	4.1	0.046	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00095
31	December	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
32	January	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
32	February	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.0019	0.001	0.00096
32	March	0.000094	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.00098
32	April	0.000094	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000094	4.2	0.049	0.000003	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
32	June	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
32	July	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
32	August	0.000094	4.1	0.049	0.000003	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.001
32	September	0.000094	4.1	0.048	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
32	October	0.000095	4.1	0.047	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.0019	0.001	0.00097
32	November	0.000095	4.1	0.046	0.0000031	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00095
32	December	0.000095	4.1	0.046	0.0000031	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
33	January	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
33	February	0.000094	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.0019	0.001	0.00096
33	March	0.000094	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.00098
33	April	0.000094	4.1	0.048	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
33	May	0.000094	4.2	0.049	0.000003	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
33	June	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
33	July	0.000094	4.2	0.05	0.0000031	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.0011
33	August	0.000094	4.1	0.049	0.000003	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.001
33	September	0.000094	4.1	0.048	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.001
33	October	0.000094	4.1	0.047	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.0019	0.001	0.00097
33	November	0.000095	4.1	0.046	0.0000031	0.0002	0.00062	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00095
33	December	0.000095	4.1	0.046	0.0000031	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
34	January	0.000095	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.002	0.001	0.00094
34	February	0.000094	4.1	0.046	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.000005	0.000029	0.000068	0.00051	0.0019	0.001	0.00096
34	March	0.000094	4.1	0.047	0.000003	0.0002	0.00061	1.3	0.00013	0.000025	0.0000049	0.000028	0.000068	0.00051	0.0019	0.001	0.00098
34	April	0.000094	4.1	0.048	0.000003	0.0002	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000069	0.00051	0.0019	0.001	0.001
34	May	0.000094	4.2	0.049	0.000003	0.00021	0.00062	1.3	0.00013	0.000025	0.0000049	0.000028	0.000071	0.00051	0.0019	0.001	0.001
34	June	0.000094	4.2	0.049	0.0000031	0.00021	0.00063	1.3	0.00013	0.000025	0.0000049	0.000029	0.000074	0.00052	0.0019	0.00099	0.0011
34	July	0.000093	4.2	0.049	0.000003	0.00021	0.00063	1.3	0.00013	0.000025	0.0000049	0.000029	0.000076	0.00052	0.0019	0.00099	0.001
34	August	0.000093	4.2	0.047	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.0000049	0.000029	0.000077	0.00052	0.0019	0.00099	0.00099
34	September	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.0000049	0.000029	0.000078	0.00052	0.0019	0.00099	0.00096
34	October	0.000094	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.000005	0.00003	0.000079	0.00052	0.0019	0.00098	0.00092
34	November	0.000094	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.000005	0.00003	0.000079	0.00052	0.0019	0.00098	0.0009
34	December	0.000094	4.1	0.044	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.000005	0.00003	0.000079	0.00052	0.0019	0.00098	0.00089
35	January	0.000094	4.1	0.044	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.000005	0.00003	0.000079	0.00052	0.0019	0.00098	0.0009
35	February	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.000005	0.00003	0.000079	0.00052	0.0019	0.00098	0.00092
35	March	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.00003	0.000079	0.00052	0.0019	0.00098	0.00094
35	April	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.0000049	0.000029	0.000079	0.00051	0.0019	0.00098	0.00096
35	May	0.000093	4.2	0.047	0.000003	0.00021	0.00062	1.3	0.00013	0.000024	0.0000049	0.000029	0.00008	0.00052	0.0019	0.00098	0.001
35	June	0.000093	4.2	0.048	0.000003	0.00021	0.00063	1.3	0.00013	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00098	0.001
35	July	0.000093	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00098	0.001
35	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00098	0.00098
35	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00094
35	October	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
35	November	0.000093	4.1	0.044	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.000005	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
35	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.000005	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
36	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.00089
36	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.00091
36	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00098	0.00093
36	April	0.000093	4.1	0.046	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00098	0.00096
36	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
36	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
36	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
36	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
36	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
36	October	0.000093	4.1	0.044	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
36	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
36	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
37	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
37	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
37	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
37	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
37	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
37	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
37	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
37	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
37	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
37	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
37	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
38	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
38	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
38	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
38	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
38	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
38	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
38	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
38	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
38	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
38	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
38	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
38	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
39	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
39	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
39	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
39	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
39	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
39	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
39	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
39	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
39	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
39	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
39	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
39	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
40	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
40	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
40	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
40	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
40	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
40	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
40	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
40	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
40	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
40	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
40	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
40	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
41	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
41	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
41	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
41	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
41	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
41	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
41	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
41	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
41	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
41	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
41	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
42	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
42	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
42	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
42	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
42	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
42	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
42	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
42	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
42	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
42	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
42	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
42	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
43	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
43	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
43	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
43	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
43	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
43	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
43	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
43	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
43	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
43	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
43	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
43	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
44	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
44	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
44	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
44	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
44	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
44	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
44	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
44	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
44	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
44	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
44	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
44	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
45	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
45	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
45	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
45	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
45	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
45	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
45	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
45	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
45	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
45	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
45	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
45	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
46	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
46	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
46	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
46	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
46	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
46	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
46	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
46	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
46	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
46	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
46	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
47	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
47	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
47	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
47	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
47	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
47	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
47	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
47	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
47	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
47	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
47	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
47	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
48	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
48	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
48	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
48	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
48	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
48	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
48	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
48	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
48	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
48	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
48	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
48	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
49	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
49	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
49	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
49	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
49	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
49	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
49	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
49	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
49	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
49	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
49	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
49	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
50	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
50	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
50	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
50	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
50	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
50	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
50	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
50	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
50	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
50	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
50	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
50	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
51	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
51	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
51	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
51	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
51	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
51	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
51	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
51	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
51	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
51	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
51	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
52	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
52	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
52	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
52	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
52	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
52	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
52	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
52	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
52	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
52	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
52	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
52	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
53	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
53	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
53	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
53	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
53	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
53	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
53	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
53	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
53	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
53	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
53	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
53	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
54	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
54	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
54	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
54	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
54	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
54	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
54	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
54	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
54	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
54	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
54	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
54	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
55	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
55	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
55	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
55	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
55	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
55	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
55	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
55	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
55	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
55	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
55	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
56	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
56	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
56	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
56	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
56	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
56	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
56	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
56	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
56	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
56	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
56	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
56	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
57	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
57	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
57	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
57	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
57	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
57	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
57	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
57	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
57	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
57	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
57	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
57	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
58	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
58	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
58	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
58	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
58	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
58	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
58	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
58	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
58	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
58	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
58	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
58	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
59	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
59	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
59	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
59	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
59	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
59	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
59	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
59	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
59	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
59	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
59	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
59	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
60	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
60	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
60	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
60	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
60	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
60	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
60	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
60	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
60	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
60	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
60	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
61	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
61	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
61	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
61	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
61	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
61	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
61	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
61	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
61	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
61	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
61	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
61	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
62	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
62	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
62	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
62	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
62	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
62	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
62	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
62	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
62	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
62	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
62	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
62	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
63	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
63	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
63	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
63	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
63	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
63	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
63	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
63	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
63	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
63	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
63	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
63	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
64	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
64	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
64	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
64	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
64	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
64	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
64	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
64	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
64	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
64	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
64	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
64	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
65	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
65	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
65	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
65	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
65	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
65	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
65	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
65	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
65	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
65	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
65	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
66	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
66	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
66	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
66	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
66	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
66	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
66	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
66	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
66	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
66	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
66	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
66	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
67	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
67	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
67	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
67	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
67	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
67	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
67	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
67	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
67	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
67	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
67	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
67	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
68	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
68	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
68	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
68	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
68	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
68	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
68	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
68	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
68	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
68	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
68	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
68	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
69	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
69	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
69	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
69	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
69	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
69	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
69	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
69	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097

Table G-16: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-3)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
69	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
69	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
69	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088
70	January	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00089
70	February	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000081	0.00052	0.0019	0.00097	0.0009
70	March	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00052	0.0019	0.00097	0.00093
70	April	0.000093	4.1	0.045	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.000029	0.000081	0.00051	0.0019	0.00097	0.00095
70	May	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000082	0.00052	0.0019	0.00097	0.001
70	June	0.000092	4.2	0.048	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
70	July	0.000092	4.1	0.047	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000048	0.000029	0.000083	0.00052	0.0019	0.00097	0.001
70	August	0.000093	4.1	0.046	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00097
70	September	0.000093	4.1	0.045	0.000003	0.00021	0.00062	1.3	0.00012	0.000024	0.0000049	0.000029	0.000082	0.00052	0.0019	0.00097	0.00094
70	October	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00091
70	November	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000083	0.00052	0.0019	0.00097	0.00088
70	December	0.000093	4.1	0.044	0.000003	0.00021	0.00061	1.3	0.00012	0.000024	0.0000049	0.00003	0.000082	0.00052	0.0019	0.00097	0.00088

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	23	0.042	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	February	23	0.042	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	March	23	0.042	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	April	23	0.042	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	May	23	0.042	0.099	0.0085	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00054	0.00029	0.00056	1.3
-6	June	23	0.042	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	July	23	0.041	0.099	0.0084	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	August	23	0.041	0.098	0.0083	0.025	2.0	0.0032	0.069	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	September	23	0.041	0.098	0.0083	0.025	2.0	0.0032	0.07	0.00028	0.0022	0.00001	0.005	0.0000039	15	0.00055	0.00029	0.00056	1.3
-6	October	22	0.041	0.097	0.0082	0.025	2.0	0.0031	0.07	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-6	November	22	0.041	0.096	0.0081	0.025	2.0	0.0031	0.07	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-6	December	22	0.041	0.096	0.0081	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	January	22	0.041	0.096	0.0081	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	February	22	0.041	0.096	0.0081	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	March	22	0.041	0.096	0.0081	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	April	22	0.041	0.096	0.0081	0.025	2.0	0.0031	0.071	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	May	22	0.041	0.096	0.0082	0.025	2.0	0.0031	0.07	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	June	22	0.041	0.096	0.0082	0.025	2.0	0.0031	0.07	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	July	22	0.041	0.096	0.0082	0.025	2.0	0.0031	0.07	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	August	22	0.041	0.096	0.0081	0.025	2.0	0.0031	0.071	0.00028	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	September	22	0.041	0.095	0.0081	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-5	October	22	0.041	0.095	0.008	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-5	November	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-5	December	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	January	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	February	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	March	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	April	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.072	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	May	22	0.041	0.095	0.008	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-4	June	22	0.041	0.095	0.008	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-4	July	22	0.041	0.095	0.008	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00056	0.00029	0.00056	1.3
-4	August	22	0.041	0.095	0.008	0.025	1.9	0.0031	0.071	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	September	22	0.041	0.094	0.008	0.025	1.9	0.0031	0.072	0.00027	0.0022	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	October	21	0.041	0.094	0.0079	0.025	1.9	0.003	0.072	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00056	1.3
-4	November	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.072	0.00027	0.0023	0.00001	0.005	0.0000037	15	0.00057	0.00029	0.00056	1.3
-4	December	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.072	0.00027	0.0023	0.00001	0.005	0.0000037	15	0.00057	0.00029	0.00056	1.3
-3	January	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.073	0.00027	0.0023	0.00001	0.005	0.0000038	15	0.00057	0.00029	0.00057	1.3
-3	February	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.073	0.00027	0.0023	0.00001	0.005	0.0000039	15	0.00058	0.00029	0.00057	1.3
-3	March	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.074	0.00027	0.0023	0.00001	0.005	0.0000040	15	0.00058	0.00029	0.00057	1.3
-3	April	21	0.041	0.093	0.0079	0.025	1.9	0.003	0.075	0.00027	0.0023	0.00001	0.005	0.0000041	15	0.00057	0.00029	0.00057	1.3
-3	May	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.075	0.00027	0.0023	0.00001	0.005	0.0000042	15	0.00057	0.00029	0.00057	1.3
-3	June	22	0.041	0.094	0.008	0.025	1.9	0.0031	0.075	0.00027	0.0023	0.00001	0.005	0.0000042	15	0.00057	0.00029	0.00057	1.3
-3	July	22	0.041	0.094	0.008	0.025	1.9	0.0031	0.075	0.00027	0.0023	0.00001	0.005	0.0000043	15	0.00057	0.00029	0.00057	1.3
-3	August	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.076	0.00027	0.0023	0.00001	0.005	0.0000043	15	0.00057	0.00029	0.00058	1.3
-3	September	21	0.041	0.094	0.0079	0.025	1.9	0.003	0.077	0.00027	0.0023	0.00001	0.005	0.0000044	15	0.00057	0.00029	0.00058	1.3
-3	October	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.077	0.00027	0.0023	0.00001	0.005	0.0000044	15	0.00058	0.00029	0.00058	1.3
-3	November	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.078	0.00027	0.0023	0.00001	0.005	0.0000045	15	0.00058	0.00029	0.00058	1.3
-3	December	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.079	0.00027	0.0023	0.00001	0.005	0.0000046	15	0.00058	0.00029	0.00058	1.3
-2	January	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.08	0.00027	0.0023	0.00001	0.005	0.0000047	15	0.00058	0.00029	0.00058	1.3
-2	February	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.08	0.00027	0.0023	0.00001	0.005	0.0000048	15	0.00058	0.00029	0.00059	1.3
-2	March	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.081	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3
-2	April	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.081	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3
-2	May	21	0.041	0.094	0.0079	0.025	1.9	0.003	0.08	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3
-2	June	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.08	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3
-2	July	22	0.041	0.094	0.0079	0.025	1.9	0.0031	0.08	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3
-2	August	21	0.041	0.094	0.0079	0.025	1.9	0.003	0.081	0.00027	0.0023	0.00001	0.005	0.0000049	15	0.00058	0.00029	0.00059	1.3

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	21	0.041	0.093	0.0079	0.025	1.9	0.003	0.081	0.00027	0.0023	0.00001	0.005	0.0000050	15	0.00058	0.00029	0.00059	1.3
-2	October	21	0.041	0.093	0.0078	0.025	1.9	0.003	0.082	0.00027	0.0023	0.00001	0.005	0.0000050	15	0.00058	0.00029	0.00059	1.3
-2	November	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.082	0.00027	0.0024	0.00001	0.005	0.0000050	15	0.00059	0.00029	0.00059	1.3
-2	December	21	0.041	0.092	0.0077	0.025	1.9	0.003	0.083	0.00027	0.0024	0.00001	0.005	0.0000051	15	0.00059	0.00029	0.00059	1.3
-1	January	21	0.041	0.092	0.0077	0.025	1.9	0.003	0.083	0.00027	0.0024	0.00001	0.005	0.0000052	15	0.00059	0.00029	0.00059	1.3
-1	February	21	0.041	0.092	0.0077	0.025	1.9	0.003	0.084	0.00027	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.00029	0.0006	1.3
-1	March	21	0.041	0.092	0.0077	0.025	1.9	0.003	0.085	0.00027	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.00029	0.0006	1.3
-1	April	21	0.041	0.092	0.0078	0.025	1.9	0.003	0.085	0.00027	0.0024	0.00001	0.005	0.0000054	15	0.00059	0.00029	0.0006	1.3
-1	May	21	0.041	0.093	0.0079	0.025	1.9	0.003	0.084	0.00027	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00029	0.0006	1.3
-1	June	21	0.041	0.094	0.0079	0.025	1.9	0.0031	0.083	0.00027	0.0023	0.00001	0.005	0.0000053	15	0.00058	0.00029	0.00059	1.3
-1	July	21	0.041	0.094	0.0079	0.025	1.9	0.003	0.083	0.00027	0.0023	0.00001	0.005	0.0000052	15	0.00058	0.00029	0.00059	1.3
-1	August	21	0.041	0.093	0.0079	0.025	1.9	0.003	0.083	0.00027	0.0023	0.00001	0.005	0.0000053	15	0.00058	0.00029	0.00059	1.3
-1	September	21	0.041	0.093	0.0079	0.025	1.9	0.003	0.083	0.00027	0.0024	0.00001	0.005	0.0000052	15	0.00058	0.00029	0.00059	1.3
-1	October	21	0.042	0.092	0.0079	0.025	1.9	0.003	0.084	0.00027	0.0024	0.00001	0.005	0.0000052	15	0.00059	0.00029	0.0006	1.3
-1	November	21	0.042	0.092	0.0078	0.025	2.0	0.003	0.084	0.00027	0.0024	0.00001	0.005	0.0000052	15	0.00059	0.00029	0.0006	1.3
-1	December	21	0.043	0.092	0.0079	0.025	2.0	0.003	0.085	0.00027	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.0003	0.0006	1.3
1	January	21	0.044	0.092	0.008	0.025	2.0	0.003	0.085	0.00027	0.0024	0.00001	0.005	0.0000054	15	0.00059	0.0003	0.0006	1.3
1	February	21	0.045	0.092	0.0081	0.025	2.1	0.003	0.086	0.00027	0.0024	0.00001	0.005	0.0000055	15	0.00059	0.0003	0.0006	1.3
1	March	21	0.046	0.092	0.0082	0.025	2.2	0.003	0.086	0.00027	0.0024	0.00001	0.005	0.0000055	15	0.00059	0.0003	0.0006	1.3
1	April	21	0.048	0.093	0.0083	0.025	2.2	0.003	0.086	0.00028	0.0024	0.00001	0.005	0.0000056	15	0.00059	0.0003	0.0006	1.3
1	May	21	0.048	0.094	0.0085	0.025	2.3	0.0031	0.085	0.00028	0.0024	0.00001	0.005	0.0000055	15	0.00058	0.0003	0.0006	1.3
1	June	21	0.049	0.095	0.0086	0.025	2.3	0.0031	0.083	0.00028	0.0023	0.00001	0.005	0.0000053	15	0.00058	0.0003	0.0006	1.3
1	July	21	0.051	0.095	0.0087	0.025	2.4	0.0031	0.083	0.00028	0.0023	0.00001	0.005	0.0000053	15	0.00058	0.0003	0.0006	1.3
1	August	21	0.052	0.095	0.0088	0.025	2.5	0.0031	0.083	0.00029	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00031	0.0006	1.3
1	September	21	0.054	0.094	0.0089	0.025	2.5	0.0031	0.084	0.00029	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00031	0.0006	1.3
1	October	21	0.055	0.094	0.009	0.026	2.6	0.0031	0.084	0.00029	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.00031	0.0006	1.3
1	November	21	0.057	0.094	0.009	0.026	2.7	0.0031	0.084	0.00029	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.00031	0.0006	1.3
1	December	21	0.059	0.094	0.0092	0.026	2.8	0.0031	0.085	0.00029	0.0024	0.00001	0.005	0.0000053	15	0.00059	0.00032	0.0006	1.3
2	January	21	0.062	0.094	0.0094	0.026	2.9	0.0031	0.085	0.0003	0.0024	0.00001	0.005	0.0000054	15	0.00059	0.00032	0.0006	1.3
2	February	21	0.065	0.094	0.0097	0.026	3.0	0.0031	0.086	0.0003	0.0024	0.00001	0.005	0.0000055	15	0.00059	0.00032	0.0006	1.3
2	March	21	0.068	0.095	0.0099	0.026	3.2	0.0031	0.086	0.0003	0.0024	0.00001	0.005	0.0000055	15	0.00059	0.00033	0.0006	1.3
2	April	21	0.071	0.096	0.01	0.026	3.3	0.0031	0.086	0.00031	0.0024	0.00001	0.005	0.0000056	15	0.00059	0.00033	0.0006	1.3
2	May	21	0.071	0.097	0.01	0.026	3.3	0.0031	0.084	0.00031	0.0024	0.00001	0.005	0.0000055	15	0.00058	0.00033	0.0006	1.3
2	June	21	0.07	0.097	0.01	0.026	3.3	0.0032	0.083	0.00031	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00033	0.0006	1.3
2	July	21	0.072	0.097	0.01	0.026	3.4	0.0032	0.083	0.00031	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00033	0.0006	1.3
2	August	21	0.075	0.097	0.011	0.026	3.5	0.0032	0.083	0.00032	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00033	0.0006	1.3
2	September	21	0.077	0.097	0.011	0.026	3.6	0.0032	0.083	0.00032	0.0024	0.00001	0.005	0.0000053	15	0.00058	0.00034	0.0006	1.3
2	October	21	0.079	0.097	0.011	0.026	3.7	0.0031	0.084	0.00032	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00034	0.0006	1.3
2	November	21	0.081	0.097	0.011	0.026	3.8	0.0031	0.084	0.00032	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00034	0.0006	1.3
2	December	21	0.085	0.097	0.011	0.026	4.0	0.0031	0.084	0.00033	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00035	0.0006	1.3
3	January	21	0.09	0.097	0.012	0.026	4.2	0.0032	0.085	0.00033	0.0024	0.00001	0.0051	0.0000054	15	0.00059	0.00035	0.0006	1.3
3	February	21	0.095	0.098	0.012	0.026	4.4	0.0032	0.086	0.00034	0.0024	0.00001	0.0051	0.0000055	15	0.00059	0.00036	0.0006	1.3
3	March	21	0.099	0.099	0.012	0.026	4.6	0.0032	0.086	0.00035	0.0024	0.00001	0.0051	0.0000056	15	0.00059	0.00037	0.00061	1.3
3	April	21	0.1	0.099	0.013	0.026	4.8	0.0032	0.086	0.00035	0.0024	0.00001	0.0051	0.0000056	15	0.00059	0.00037	0.00061	1.3
3	May	21	0.1	0.1	0.013	0.026	4.7	0.0032	0.084	0.00035	0.0024	0.00001	0.0051	0.0000055	15	0.00058	0.00037	0.0006	1.3
3	June	21	0.098	0.1	0.012	0.026	4.6	0.0033	0.083	0.00035	0.0024	0.00001	0.0051	0.0000054	15	0.00058	0.00036	0.0006	1.3
3	July	21	0.1	0.1	0.013	0.026	4.7	0.0033	0.083	0.00035	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00037	0.0006	1.3
3	August	21	0.1	0.1	0.013	0.026	4.8	0.0033	0.083	0.00036	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00037	0.0006	1.3
3	September	21	0.11	0.1	0.013	0.026	4.9	0.0033	0.083	0.00036	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00037	0.0006	1.3
3	October	21	0.11	0.1	0.013	0.026	5.0	0.0033	0.083	0.00036	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00038	0.0006	1.3
3	November	21	0.11	0.1	0.013	0.027	5.1	0.0032	0.084	0.00036	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00038	0.0006	1.3
3	December	21	0.11	0.1	0.014	0.027	5.4	0.0033	0.084	0.00037	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00039	0.0006	1.3
4	January	21	0.12	0.1	0.014	0.027	5.7	0.0033	0.085	0.00038	0.0024	0.00001	0.0051	0.0000054	15	0.00059	0.0004	0.0006	1.3
4	February	21	0.13	0.1	0.015	0.027	6.0	0.0033	0.085	0.00039	0.0024	0.00001	0.0051	0.0000055	15	0.00059	0.0004	0.00061	1.3
4	March	21	0.13	0.1	0.015	0.027	6.3	0.0033	0.086	0.0004	0.0024	0.00001	0.0051	0.0000056	15	0.00059	0.00041	0.00061	1.3
4	April	21	0.14	0.1	0.016	0.027	6.4	0.0034	0.086	0.0004	0.0024	0.00001	0.0051	0.0000056	15	0.00059	0.00042	0.00061	1.3

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	21	0.13	0.1	0.015	0.027	6.2	0.0034	0.084	0.0004	0.0024	0.00001	0.0051	0.0000055	15	0.00058	0.00041	0.0006	1.3
4	June	21	0.13	0.1	0.015	0.027	6.0	0.0034	0.083	0.00039	0.0024	0.00001	0.0051	0.0000054	15	0.00058	0.0004	0.0006	1.3
4	July	21	0.13	0.1	0.015	0.027	6.1	0.0034	0.083	0.0004	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00041	0.0006	1.3
4	August	21	0.13	0.1	0.015	0.027	6.3	0.0034	0.083	0.0004	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00041	0.0006	1.3
4	September	21	0.14	0.1	0.016	0.027	6.4	0.0034	0.083	0.0004	0.0024	0.00001	0.0051	0.0000053	15	0.00058	0.00041	0.0006	1.3
4	October	21	0.14	0.1	0.016	0.027	6.5	0.0034	0.083	0.0004	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00042	0.0006	1.3
4	November	21	0.14	0.1	0.016	0.027	6.6	0.0034	0.084	0.00041	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00042	0.0006	1.3
4	December	21	0.15	0.1	0.016	0.027	6.8	0.0034	0.084	0.00041	0.0024	0.00001	0.0051	0.0000053	15	0.00059	0.00043	0.0006	1.3
5	January	21	0.16	0.11	0.017	0.027	7.2	0.0034	0.084	0.00043	0.0024	0.00001	0.0051	0.0000054	15	0.00059	0.00044	0.00061	1.3
5	February	21	0.16	0.11	0.018	0.028	7.6	0.0034	0.085	0.00044	0.0024	0.00001	0.0052	0.0000055	15	0.00059	0.00045	0.00061	1.3
5	March	21	0.17	0.11	0.018	0.028	8.0	0.0035	0.085	0.00045	0.0024	0.00001	0.0052	0.0000056	15	0.00059	0.00046	0.00061	1.3
5	April	21	0.18	0.11	0.019	0.028	8.2	0.0035	0.085	0.00046	0.0024	0.00001	0.0052	0.0000056	15	0.00059	0.00046	0.00061	1.3
5	May	21	0.17	0.11	0.018	0.028	7.8	0.0035	0.084	0.00045	0.0024	0.00001	0.0052	0.0000055	15	0.00058	0.00045	0.00061	1.3
5	June	21	0.16	0.11	0.018	0.027	7.5	0.0035	0.083	0.00044	0.0024	0.00001	0.0052	0.0000054	15	0.00058	0.00044	0.0006	1.3
5	July	21	0.16	0.11	0.018	0.027	7.6	0.0035	0.082	0.00044	0.0024	0.00001	0.0052	0.0000054	15	0.00058	0.00045	0.0006	1.3
5	August	21	0.17	0.11	0.018	0.028	7.8	0.0035	0.083	0.00045	0.0024	0.00001	0.0052	0.0000053	15	0.00058	0.00045	0.0006	1.3
5	September	21	0.17	0.11	0.018	0.028	7.9	0.0035	0.083	0.00045	0.0024	0.00001	0.0052	0.0000053	15	0.00058	0.00046	0.0006	1.3
5	October	21	0.17	0.11	0.018	0.028	8.0	0.0035	0.083	0.00045	0.0024	0.00001	0.0052	0.0000053	15	0.00058	0.00046	0.0006	1.3
5	November	21	0.17	0.11	0.018	0.028	8.1	0.0035	0.083	0.00045	0.0024	0.00001	0.0052	0.0000053	15	0.00059	0.00046	0.00061	1.3
5	December	21	0.18	0.11	0.019	0.028	8.4	0.0035	0.084	0.00046	0.0024	0.00001	0.0052	0.0000054	15	0.00059	0.00047	0.00061	1.3
6	January	21	0.19	0.11	0.02	0.028	8.8	0.0035	0.084	0.00047	0.0024	0.00001	0.0052	0.0000054	15	0.00059	0.00048	0.00061	1.3
6	February	21	0.2	0.11	0.021	0.028	9.3	0.0036	0.085	0.00049	0.0024	0.00001	0.0052	0.0000055	15	0.00059	0.0005	0.00061	1.3
6	March	21	0.21	0.11	0.021	0.028	9.8	0.0036	0.085	0.0005	0.0024	0.00001	0.0052	0.0000056	16	0.00059	0.00051	0.00061	1.3
6	April	21	0.21	0.11	0.022	0.029	10.0	0.0036	0.085	0.00051	0.0024	0.00001	0.0052	0.0000056	16	0.00059	0.00051	0.00061	1.3
6	May	21	0.2	0.11	0.021	0.028	9.5	0.0036	0.083	0.0005	0.0024	0.00001	0.0052	0.0000055	16	0.00058	0.0005	0.00061	1.3
6	June	21	0.19	0.11	0.02	0.028	9.0	0.0036	0.082	0.00049	0.0024	0.00001	0.0052	0.0000054	15	0.00058	0.00049	0.00061	1.3
6	July	21	0.19	0.11	0.02	0.028	9.1	0.0036	0.082	0.00049	0.0024	0.00001	0.0052	0.0000054	15	0.00058	0.00049	0.00061	1.3
6	August	21	0.2	0.11	0.021	0.028	9.3	0.0036	0.082	0.00049	0.0024	0.00001	0.0052	0.0000054	15	0.00058	0.00049	0.00061	1.3
6	September	21	0.2	0.11	0.021	0.028	9.4	0.0036	0.082	0.0005	0.0024	0.00001	0.0052	0.0000053	15	0.00058	0.0005	0.00061	1.3
6	October	21	0.2	0.11	0.021	0.028	9.5	0.0036	0.083	0.0005	0.0024	0.00001	0.0052	0.0000053	16	0.00058	0.0005	0.00061	1.3
6	November	21	0.21	0.11	0.021	0.028	9.6	0.0036	0.083	0.0005	0.0024	0.00001	0.0052	0.0000053	16	0.00059	0.0005	0.00061	1.3
6	December	21	0.21	0.11	0.022	0.029	10	0.0036	0.083	0.00051	0.0024	0.00001	0.0052	0.0000054	16	0.00059	0.00051	0.00061	1.3
7	January	21	0.23	0.11	0.023	0.029	10	0.0036	0.084	0.00052	0.0024	0.00001	0.0052	0.0000054	16	0.00059	0.00053	0.00061	1.3
7	February	21	0.24	0.11	0.024	0.029	11	0.0037	0.084	0.00054	0.0024	0.00001	0.0053	0.0000055	16	0.00059	0.00054	0.00061	1.3
7	March	21	0.25	0.12	0.024	0.029	12	0.0037	0.085	0.00056	0.0024	0.00001	0.0053	0.0000056	16	0.00059	0.00056	0.00062	1.2
7	April	21	0.25	0.12	0.025	0.029	12	0.0038	0.085	0.00056	0.0024	0.00001	0.0053	0.0000056	16	0.00059	0.00056	0.00062	1.2
7	May	21	0.24	0.12	0.024	0.029	11	0.0037	0.083	0.00055	0.0024	0.00001	0.0053	0.0000055	16	0.00058	0.00055	0.00061	1.3
7	June	21	0.23	0.12	0.023	0.029	11	0.0037	0.082	0.00053	0.0024	0.00001	0.0052	0.0000054	16	0.00058	0.00053	0.00061	1.3
7	July	21	0.23	0.12	0.023	0.029	11	0.0037	0.082	0.00053	0.0024	0.00001	0.0052	0.0000054	16	0.00058	0.00053	0.00061	1.3
7	August	21	0.23	0.12	0.023	0.029	11	0.0037	0.082	0.00054	0.0024	0.00001	0.0052	0.0000054	16	0.00058	0.00053	0.00061	1.3
7	September	21	0.24	0.12	0.024	0.029	11	0.0037	0.082	0.00054	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00054	0.00061	1.3
7	October	21	0.24	0.12	0.024	0.029	11	0.0037	0.082	0.00054	0.0024	0.00001	0.0053	0.0000053	16	0.00058	0.00054	0.00061	1.2
7	November	21	0.24	0.12	0.024	0.029	11	0.0037	0.083	0.00054	0.0024	0.00001	0.0053	0.0000053	16	0.00059	0.00054	0.00061	1.2
7	December	21	0.25	0.12	0.024	0.029	12	0.0037	0.083	0.00056	0.0024	0.00001	0.0053	0.0000054	16	0.00059	0.00056	0.00061	1.2
8	January	21	0.26	0.12	0.025	0.029	12	0.0038	0.084	0.00057	0.0024	0.00001	0.0053	0.0000055	16	0.00059	0.00057	0.00061	1.2
8	February	21	0.27	0.12	0.027	0.03	13	0.0038	0.084	0.00059	0.0024	0.00001	0.0053	0.0000056	16	0.00059	0.00059	0.00062	1.2
8	March	21	0.29	0.12	0.028	0.03	13	0.0039	0.085	0.00061	0.0024	0.00001	0.0053	0.0000056	16	0.00059	0.00061	0.00062	1.2
8	April	21	0.29	0.12	0.028	0.03	14	0.0039	0.084	0.00062	0.0024	0.00001	0.0053	0.0000057	16	0.00059	0.00061	0.00062	1.2
8	May	21	0.28	0.12	0.027	0.03	13	0.0039	0.083	0.0006	0.0024	0.00001	0.0053	0.0000055	16	0.00058	0.00059	0.00061	1.2
8	June	21	0.26	0.12	0.026	0.029	12	0.0038	0.082	0.00058	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00057	0.00061	1.2
8	July	21	0.26	0.12	0.026	0.029	12	0.0038	0.082	0.00058	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00057	0.00061	1.2
8	August	21	0.27	0.12	0.026	0.029	12	0.0038	0.082	0.00058	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00058	0.00061	1.2
8	September	21	0.27	0.12	0.026	0.029	13	0.0038	0.082	0.00059	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00058	0.00061	1.2
8	October	21	0.27	0.12	0.026	0.03	13	0.0038	0.082	0.00059	0.0024	0.00001	0.0053	0.0000054	16	0.00058	0.00058	0.00061	1.2
8	November	21	0.27	0.12	0.026	0.03	13	0.0038	0.083	0.00059	0.0024	0.00001	0.0053	0.0000053	16	0.00059	0.00059	0.00061	1.2
8	December	21	0.28	0.12	0.027	0.03	13	0.0038	0.083	0.0006	0.0024	0.00001	0.0053	0.0000054	16	0.00059	0.0006	0.00061	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	21	0.3	0.12	0.028	0.03	14	0.0039	0.083	0.00062	0.0024	0.00001	0.0053	0.0000055	16	0.00059	0.00062	0.00062	1.2
9	February	21	0.31	0.12	0.029	0.03	14	0.004	0.084	0.00065	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00064	0.00062	1.2
9	March	21	0.33	0.13	0.031	0.031	15	0.004	0.084	0.00067	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00065	0.00062	1.2
9	April	21	0.33	0.13	0.031	0.031	15	0.004	0.084	0.00067	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00066	0.00062	1.2
9	May	21	0.31	0.12	0.03	0.03	14	0.004	0.083	0.00065	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00063	0.00062	1.2
9	June	21	0.29	0.12	0.028	0.03	14	0.0039	0.082	0.00062	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00061	0.00061	1.2
9	July	21	0.29	0.12	0.028	0.03	14	0.0039	0.081	0.00062	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00061	0.00061	1.2
9	August	21	0.29	0.12	0.028	0.03	14	0.0039	0.082	0.00063	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00061	0.00061	1.2
9	September	21	0.3	0.12	0.028	0.03	14	0.0039	0.082	0.00063	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00062	0.00061	1.2
9	October	21	0.3	0.12	0.028	0.03	14	0.0039	0.082	0.00063	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00062	0.00061	1.2
9	November	21	0.3	0.12	0.028	0.03	14	0.0039	0.082	0.00063	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00062	0.00061	1.2
9	December	21	0.31	0.12	0.029	0.03	14	0.0039	0.083	0.00064	0.0024	0.0000099	0.0053	0.0000054	16	0.00059	0.00063	0.00062	1.2
10	January	20	0.32	0.12	0.03	0.031	15	0.004	0.083	0.00066	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00065	0.00062	1.2
10	February	20	0.34	0.13	0.031	0.031	16	0.004	0.084	0.00068	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00067	0.00062	1.2
10	March	20	0.35	0.13	0.033	0.031	16	0.0041	0.084	0.0007	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00069	0.00062	1.2
10	April	21	0.35	0.13	0.033	0.031	16	0.0041	0.084	0.0007	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00069	0.00062	1.2
10	May	21	0.33	0.13	0.031	0.031	15	0.0041	0.083	0.00068	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00066	0.00062	1.2
10	June	21	0.31	0.13	0.029	0.03	14	0.004	0.081	0.00065	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00063	0.00061	1.2
10	July	21	0.31	0.12	0.029	0.03	14	0.004	0.081	0.00064	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00063	0.00061	1.2
10	August	21	0.31	0.13	0.029	0.03	14	0.004	0.081	0.00065	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00063	0.00061	1.2
10	September	21	0.31	0.12	0.03	0.03	15	0.004	0.082	0.00065	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
10	October	21	0.31	0.12	0.029	0.03	14	0.004	0.082	0.00065	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00063	0.00061	1.2
10	November	21	0.31	0.12	0.029	0.03	14	0.004	0.082	0.00064	0.0024	0.0000099	0.0053	0.0000054	16	0.00058	0.00063	0.00061	1.2
10	December	20	0.32	0.12	0.03	0.031	15	0.004	0.083	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00064	0.00062	1.2
11	January	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00068	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00066	0.00062	1.2
11	February	20	0.35	0.13	0.032	0.031	16	0.0041	0.084	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00068	0.00062	1.2
11	March	20	0.36	0.13	0.034	0.031	17	0.0041	0.084	0.00072	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.0007	0.00062	1.2
11	April	21	0.36	0.13	0.034	0.031	17	0.0042	0.084	0.00072	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.0007	0.00062	1.2
11	May	21	0.34	0.13	0.032	0.031	16	0.0041	0.082	0.00069	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00067	0.00062	1.2
11	June	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
11	July	21	0.31	0.13	0.03	0.03	15	0.004	0.081	0.00065	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
11	August	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
11	September	21	0.32	0.13	0.03	0.03	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
11	October	21	0.32	0.13	0.03	0.03	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
11	November	21	0.32	0.12	0.03	0.03	15	0.004	0.082	0.00065	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
11	December	20	0.32	0.13	0.031	0.031	15	0.004	0.083	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00065	0.00062	1.2
12	January	20	0.34	0.13	0.032	0.031	16	0.0041	0.083	0.00068	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00067	0.00062	1.2
12	February	20	0.35	0.13	0.033	0.031	16	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00069	0.00062	1.2
12	March	20	0.37	0.13	0.034	0.031	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00071	0.00062	1.2
12	April	21	0.37	0.13	0.034	0.031	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00071	0.00062	1.2
12	May	21	0.35	0.13	0.032	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00068	0.00062	1.2
12	June	21	0.32	0.13	0.031	0.03	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
12	July	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00064	0.00061	1.2
12	August	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
12	September	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
12	October	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
12	November	21	0.32	0.12	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
12	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
13	January	20	0.34	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00067	0.00062	1.2
13	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.00069	0.00062	1.2
13	March	20	0.37	0.13	0.034	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00071	0.00062	1.2
13	April	21	0.37	0.13	0.034	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00071	0.00062	1.2
13	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00068	0.00062	1.2
13	June	21	0.32	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
13	July	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
13	August	21	0.32	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	21	0.32	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
13	October	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
13	November	21	0.32	0.12	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
13	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
14	January	20	0.34	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
14	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
14	March	20	0.37	0.13	0.034	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00071	0.00062	1.2
14	April	21	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
14	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00068	0.00062	1.2
14	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
14	July	21	0.32	0.13	0.03	0.03	15	0.004	0.081	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
14	August	21	0.32	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
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15	March	20	0.37	0.13	0.034	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
15	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
15	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
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16	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
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17	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
17	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
17	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
18	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
18	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
18	March	20	0.37	0.13	0.034	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
18	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
18	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
18	July	21	0.32	0.13	0.031	0.03	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
18	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
18	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
18	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
18	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
18	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
19	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
19	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
19	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
19	April	21	0.38	0.13	0.035	0.032	18	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
19	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
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22	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
22	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
22	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
22	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
22	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
22	July	21	0.32	0.13	0.031	0.03	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
22	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
22	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
22	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
22	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
22	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
23	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
23	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
23	April	21	0.38	0.13	0.035	0.032	18	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
23	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
23	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
23	July	21	0.32	0.13	0.031	0.03	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
23	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
23	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
23	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
23	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
23	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
24	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
24	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
24	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
24	April	21	0.38	0.13	0.035	0.032	18	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
24	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
24	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
24	July	21	0.32	0.13	0.031	0.03	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
24	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
24	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
24	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
24	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
24	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
25	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
25	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
25	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
25	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
25	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
25	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
25	July	21	0.32	0.13	0.031	0.03	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
25	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
25	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
25	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
25	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
25	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
26	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000055	16	0.00059	0.00068	0.00062	1.2
26	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.084	0.00071	0.0024	0.0000099	0.0054	0.0000056	16	0.00059	0.0007	0.00062	1.2
26	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.084	0.00073	0.0024	0.0000099	0.0054	0.0000057	16	0.00059	0.00072	0.00062	1.2
26	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.084	0.00074	0.0024	0.0000099	0.0054	0.0000057	16	0.00058	0.00072	0.00062	1.2
26	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.082	0.0007	0.0024	0.0000099	0.0054	0.0000056	16	0.00058	0.00069	0.00062	1.2
26	June	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
26	July	21	0.32	0.13	0.031	0.03	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
26	August	21	0.33	0.13	0.031	0.031	15	0.0041	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
26	September	21	0.33	0.13	0.031	0.031	15	0.004	0.081	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
26	October	21	0.32	0.13	0.031	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00061	1.2
26	November	21	0.32	0.13	0.03	0.031	15	0.004	0.082	0.00066	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00065	0.00062	1.2
26	December	20	0.33	0.13	0.031	0.031	15	0.004	0.083	0.00067	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00066	0.00062	1.2
27	January	20	0.35	0.13	0.032	0.031	16	0.0041	0.083	0.00069	0.0024	0.0000099	0.0054	0.0000054	16	0.00059	0.00068	0.00062	1.2
27	February	20	0.36	0.13	0.033	0.031	17	0.0041	0.082	0.00071	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.0007	0.00062	1.2
27	March	20	0.37	0.13	0.035	0.032	17	0.0042	0.082	0.00073	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00072	0.00062	1.2
27	April	21	0.38	0.13	0.035	0.032	17	0.0042	0.081	0.00074	0.0024	0.0000099	0.0054	0.0000054	16	0.00058	0.00072	0.00062	1.2
27	May	21	0.35	0.13	0.033	0.031	16	0.0041	0.08	0.0007	0.0024	0.0000099	0.0054	0.0000052	16	0.00058	0.00068	0.00061	1.2
27	June	21	0.33	0.13	0.031	0.03	15	0.0041	0.078	0.00067	0.0024	0.0000099	0.0054	0.0000050	16	0.00057	0.00065	0.00061	1.2
27	July	21	0.32	0.13	0.03	0.03	15	0.004	0.078	0.00066	0.0024	0.0000099	0.0054	0.0000049	16	0.00057	0.00065	0.0006	1.2
27	August	21	0.32	0.13	0.03	0.03	15	0.004	0.078	0.00066	0.0024	0.0000099	0.0054	0.0000049	16	0.00057	0.00065	0.0006	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	21	0.32	0.13	0.03	0.03	15	0.004	0.077	0.00066	0.0024	0.0000099	0.0054	0.0000048	16	0.00058	0.00065	0.0006	1.2
27	October	21	0.32	0.13	0.03	0.03	15	0.004	0.077	0.00066	0.0024	0.0000099	0.0054	0.0000047	16	0.00058	0.00064	0.0006	1.2
27	November	21	0.32	0.12	0.03	0.03	15	0.004	0.077	0.00065	0.0024	0.0000099	0.0054	0.0000047	16	0.00058	0.00064	0.0006	1.2
27	December	20	0.32	0.13	0.03	0.031	15	0.004	0.077	0.00066	0.0024	0.0000099	0.0054	0.0000046	16	0.00058	0.00065	0.0006	1.2
28	January	20	0.34	0.13	0.031	0.031	16	0.004	0.077	0.00068	0.0024	0.0000098	0.0054	0.0000046	16	0.00058	0.00067	0.0006	1.2
28	February	20	0.35	0.13	0.033	0.031	16	0.0041	0.077	0.0007	0.0024	0.0000098	0.0054	0.0000047	16	0.00058	0.00068	0.0006	1.2
28	March	20	0.36	0.13	0.034	0.031	17	0.0041	0.077	0.00072	0.0024	0.0000098	0.0054	0.0000047	16	0.00058	0.0007	0.0006	1.2
28	April	21	0.36	0.13	0.034	0.031	17	0.0042	0.076	0.00072	0.0024	0.0000098	0.0054	0.0000046	16	0.00058	0.0007	0.0006	1.2
28	May	21	0.34	0.13	0.032	0.031	16	0.0041	0.075	0.00069	0.0023	0.0000098	0.0054	0.0000045	16	0.00057	0.00067	0.0006	1.2
28	June	21	0.31	0.13	0.03	0.03	15	0.004	0.074	0.00065	0.0023	0.0000098	0.0054	0.0000045	16	0.00057	0.00063	0.00059	1.2
28	July	21	0.31	0.13	0.029	0.03	14	0.004	0.074	0.00064	0.0023	0.0000098	0.0053	0.0000044	16	0.00057	0.00063	0.00059	1.2
28	August	21	0.31	0.12	0.029	0.03	14	0.004	0.074	0.00065	0.0023	0.0000098	0.0053	0.0000044	16	0.00057	0.00063	0.00059	1.2
28	September	21	0.31	0.12	0.029	0.03	14	0.004	0.074	0.00064	0.0023	0.0000098	0.0053	0.0000043	16	0.00057	0.00063	0.00059	1.2
28	October	21	0.3	0.12	0.029	0.03	14	0.004	0.074	0.00064	0.0023	0.0000098	0.0053	0.0000043	16	0.00057	0.00062	0.00059	1.2
28	November	21	0.3	0.12	0.029	0.03	14	0.0039	0.074	0.00063	0.0024	0.0000098	0.0053	0.0000043	16	0.00058	0.00062	0.00059	1.2
28	December	21	0.31	0.12	0.029	0.03	14	0.0039	0.074	0.00064	0.0024	0.0000098	0.0053	0.0000042	16	0.00058	0.00063	0.00059	1.2
29	January	20	0.32	0.12	0.03	0.03	15	0.004	0.074	0.00066	0.0024	0.0000098	0.0054	0.0000042	16	0.00058	0.00064	0.00059	1.2
29	February	20	0.33	0.13	0.031	0.031	15	0.004	0.074	0.00067	0.0024	0.0000098	0.0054	0.0000042	16	0.00058	0.00066	0.00059	1.2
29	March	20	0.34	0.13	0.032	0.031	16	0.0041	0.074	0.00069	0.0024	0.0000098	0.0054	0.0000043	16	0.00058	0.00067	0.00059	1.2
29	April	21	0.34	0.13	0.032	0.031	16	0.0041	0.074	0.00069	0.0024	0.0000098	0.0054	0.0000042	16	0.00057	0.00067	0.00059	1.2
29	May	21	0.32	0.13	0.03	0.03	15	0.004	0.073	0.00066	0.0023	0.0000098	0.0054	0.0000042	16	0.00057	0.00064	0.00059	1.2
29	June	21	0.29	0.12	0.028	0.03	14	0.004	0.072	0.00063	0.0023	0.0000098	0.0053	0.0000042	16	0.00057	0.00061	0.00059	1.2
29	July	21	0.29	0.12	0.028	0.03	13	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000041	16	0.00057	0.0006	0.00059	1.2
29	August	21	0.29	0.12	0.028	0.03	13	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000041	16	0.00057	0.0006	0.00059	1.2
29	September	21	0.29	0.12	0.028	0.03	13	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000041	16	0.00057	0.0006	0.00059	1.2
29	October	21	0.28	0.12	0.027	0.03	13	0.0039	0.073	0.00061	0.0023	0.0000098	0.0053	0.0000041	16	0.00057	0.0006	0.00059	1.2
29	November	21	0.28	0.12	0.027	0.03	13	0.0039	0.073	0.0006	0.0023	0.0000098	0.0053	0.0000040	16	0.00058	0.00059	0.00059	1.2
29	December	21	0.29	0.12	0.027	0.03	13	0.0039	0.073	0.00061	0.0023	0.0000098	0.0053	0.0000040	16	0.00058	0.0006	0.00059	1.2
30	January	21	0.3	0.12	0.028	0.03	14	0.0039	0.073	0.00062	0.0023	0.0000098	0.0053	0.0000040	16	0.00058	0.00061	0.00059	1.2
30	February	21	0.31	0.12	0.029	0.03	14	0.0039	0.073	0.00064	0.0023	0.0000098	0.0053	0.0000040	16	0.00058	0.00063	0.00059	1.2
30	March	21	0.32	0.12	0.03	0.03	15	0.004	0.073	0.00065	0.0023	0.0000098	0.0054	0.0000040	16	0.00058	0.00064	0.00059	1.2
30	April	21	0.32	0.12	0.03	0.03	15	0.004	0.072	0.00065	0.0023	0.0000098	0.0054	0.0000040	16	0.00057	0.00064	0.00059	1.2
30	May	21	0.29	0.12	0.028	0.03	14	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000040	16	0.00057	0.00061	0.00059	1.2
30	June	21	0.27	0.12	0.026	0.029	13	0.0039	0.071	0.00059	0.0023	0.0000098	0.0053	0.0000040	16	0.00057	0.00058	0.00058	1.2
30	July	21	0.27	0.12	0.026	0.029	12	0.0038	0.071	0.00059	0.0023	0.0000098	0.0053	0.0000040	16	0.00057	0.00057	0.00058	1.2
30	August	21	0.27	0.12	0.026	0.029	12	0.0038	0.072	0.00059	0.0023	0.0000098	0.0053	0.0000040	16	0.00057	0.00057	0.00058	1.2
30	September	21	0.27	0.12	0.026	0.029	12	0.0038	0.072	0.00058	0.0023	0.0000098	0.0053	0.0000040	16	0.00057	0.00057	0.00058	1.2
30	October	21	0.26	0.12	0.025	0.029	12	0.0038	0.072	0.00058	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00057	0.00058	1.2
30	November	21	0.26	0.12	0.025	0.029	12	0.0038	0.072	0.00057	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00056	0.00058	1.2
30	December	21	0.26	0.12	0.026	0.029	12	0.0038	0.072	0.00058	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00057	0.00058	1.2
31	January	21	0.27	0.12	0.026	0.03	13	0.0038	0.072	0.00059	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00058	0.00058	1.2
31	February	21	0.28	0.12	0.027	0.03	13	0.0039	0.072	0.0006	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.0006	0.00058	1.2
31	March	21	0.29	0.12	0.028	0.03	14	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00061	0.00059	1.2
31	April	21	0.29	0.12	0.028	0.03	14	0.0039	0.072	0.00062	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00061	0.00058	1.2
31	May	21	0.27	0.12	0.026	0.029	13	0.0039	0.071	0.00059	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00058	0.00058	1.2
31	June	21	0.25	0.12	0.025	0.029	12	0.0038	0.071	0.00057	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00056	0.00058	1.2
31	July	21	0.25	0.12	0.025	0.029	12	0.0038	0.071	0.00056	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00055	0.00058	1.2
31	August	21	0.25	0.12	0.025	0.029	12	0.0038	0.071	0.00056	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00055	0.00058	1.2
31	September	21	0.25	0.12	0.025	0.029	12	0.0038	0.071	0.00056	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00055	0.00058	1.2
31	October	21	0.25	0.12	0.024	0.029	11	0.0037	0.072	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00055	0.00058	1.2
31	November	21	0.24	0.12	0.024	0.029	11	0.0037	0.072	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00055	0.00058	1.2
31	December	21	0.25	0.12	0.024	0.029	12	0.0037	0.072	0.00056	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00055	0.00058	1.2
32	January	21	0.26	0.12	0.025	0.029	12	0.0038	0.072	0.00057	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00056	0.00058	1.2
32	February	21	0.27	0.12	0.026	0.03	13	0.0038	0.072	0.00058	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00058	0.00058	1.2
32	March	21	0.28	0.12	0.027	0.03	13	0.0038	0.072	0.0006	0.0023	0.0000098	0.0053	0.0000039	16	0.00058	0.00059	0.00058	1.2
32	April	21	0.28	0.12	0.027	0.03	13	0.0039	0.072	0.0006	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00059	0.00058	1.2

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	21	0.26	0.12	0.025	0.029	12	0.0038	0.071	0.00058	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00057	0.00058	1.2
32	June	21	0.24	0.12	0.024	0.029	11	0.0038	0.071	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
32	July	21	0.24	0.12	0.024	0.029	11	0.0038	0.071	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
32	August	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
32	September	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
32	October	21	0.24	0.12	0.024	0.029	11	0.0037	0.072	0.00054	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
32	November	21	0.24	0.11	0.023	0.029	11	0.0037	0.072	0.00054	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00054	0.00058	1.2
32	December	21	0.24	0.12	0.024	0.029	11	0.0037	0.072	0.00055	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00054	0.00058	1.2
33	January	21	0.25	0.12	0.025	0.029	12	0.0037	0.072	0.00056	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00056	0.00058	1.2
33	February	21	0.26	0.12	0.025	0.029	12	0.0038	0.072	0.00058	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00057	0.00058	1.2
33	March	21	0.27	0.12	0.026	0.03	13	0.0038	0.072	0.00059	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00058	0.00058	1.2
33	April	21	0.27	0.12	0.026	0.03	13	0.0038	0.071	0.00059	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00058	0.00058	1.2
33	May	21	0.25	0.12	0.025	0.029	12	0.0038	0.071	0.00057	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00056	0.00058	1.2
33	June	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00055	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
33	July	21	0.23	0.12	0.023	0.029	11	0.0037	0.071	0.00054	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00053	0.00058	1.2
33	August	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00054	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
33	September	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00054	0.0023	0.0000098	0.0053	0.0000039	16	0.00057	0.00054	0.00058	1.2
33	October	21	0.23	0.12	0.023	0.029	11	0.0037	0.071	0.00054	0.0023	0.0000098	0.0053	0.0000038	16	0.00057	0.00053	0.00058	1.2
33	November	21	0.23	0.11	0.023	0.029	11	0.0037	0.072	0.00054	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00053	0.00058	1.2
33	December	21	0.24	0.11	0.024	0.029	11	0.0037	0.072	0.00054	0.0023	0.0000098	0.0053	0.0000038	16	0.00058	0.00054	0.00058	1.2
34	January	21	0.24	0.12	0.024	0.029	11	0.0037	0.072	0.00055	0.0023	0.0000099	0.0053	0.0000038	16	0.00058	0.00055	0.00058	1.2
34	February	21	0.24	0.12	0.024	0.029	11	0.0037	0.071	0.00055	0.0023	0.0000099	0.0054	0.0000039	16	0.00058	0.00055	0.00058	1.2
34	March	21	0.24	0.11	0.024	0.029	11	0.0037	0.071	0.00055	0.0023	0.00001	0.0055	0.0000039	16	0.00058	0.00055	0.00058	1.2
34	April	21	0.23	0.11	0.023	0.029	11	0.0037	0.071	0.00055	0.0023	0.00001	0.0056	0.0000039	16	0.00058	0.00054	0.00058	1.2
34	May	21	0.21	0.11	0.021	0.028	10	0.0036	0.07	0.00052	0.0023	0.00001	0.0056	0.0000040	16	0.00058	0.00051	0.00058	1.2
34	June	21	0.19	0.11	0.019	0.028	9.1	0.0035	0.07	0.00049	0.0023	0.00001	0.0056	0.0000040	16	0.00058	0.00048	0.00057	1.2
34	July	21	0.18	0.11	0.018	0.027	8.7	0.0035	0.07	0.00048	0.0022	0.00001	0.0057	0.0000040	16	0.00058	0.00047	0.00057	1.2
34	August	21	0.17	0.11	0.018	0.027	8.4	0.0035	0.07	0.00047	0.0022	0.00001	0.0057	0.0000040	16	0.00059	0.00047	0.00057	1.2
34	September	21	0.17	0.11	0.017	0.027	8.1	0.0034	0.07	0.00046	0.0022	0.00001	0.0058	0.0000040	16	0.00059	0.00046	0.00057	1.2
34	October	21	0.16	0.1	0.016	0.027	7.9	0.0034	0.07	0.00045	0.0022	0.00001	0.0059	0.0000041	16	0.0006	0.00045	0.00057	1.2
34	November	20	0.15	0.1	0.016	0.027	7.7	0.0033	0.07	0.00045	0.0022	0.000011	0.006	0.0000041	16	0.0006	0.00045	0.00058	1.2
34	December	20	0.15	0.1	0.016	0.027	7.6	0.0033	0.07	0.00044	0.0022	0.000011	0.006	0.0000041	16	0.00061	0.00045	0.00058	1.2
35	January	20	0.15	0.1	0.015	0.027	7.6	0.0033	0.07	0.00045	0.0022	0.000011	0.0061	0.0000041	16	0.00061	0.00045	0.00058	1.2
35	February	20	0.15	0.1	0.015	0.027	7.7	0.0033	0.07	0.00045	0.0022	0.000011	0.0062	0.0000042	16	0.00061	0.00045	0.00058	1.2
35	March	20	0.15	0.1	0.015	0.027	7.7	0.0033	0.07	0.00045	0.0022	0.000011	0.0063	0.0000042	16	0.00061	0.00045	0.00058	1.2
35	April	20	0.15	0.1	0.015	0.026	7.8	0.0033	0.069	0.00046	0.0022	0.000011	0.0065	0.0000043	16	0.00062	0.00045	0.00058	1.2
35	May	21	0.13	0.1	0.014	0.026	7.9	0.0033	0.068	0.00047	0.0022	0.000012	0.0071	0.0000046	16	0.00064	0.00046	0.00058	1.2
35	June	21	0.12	0.1	0.013	0.026	8.2	0.0033	0.067	0.00049	0.0022	0.000012	0.0079	0.0000049	17	0.00067	0.00047	0.0006	1.2
35	July	21	0.12	0.099	0.013	0.026	8.6	0.0032	0.067	0.00051	0.0021	0.000013	0.0086	0.0000052	17	0.00069	0.00049	0.0006	1.2
35	August	21	0.11	0.098	0.012	0.026	8.9	0.0032	0.067	0.00052	0.0021	0.000013	0.009	0.0000054	18	0.00071	0.0005	0.00061	1.2
35	September	21	0.11	0.098	0.012	0.026	9.1	0.0032	0.066	0.00053	0.0021	0.000013	0.0093	0.0000055	18	0.00073	0.00051	0.00061	1.1
35	October	20	0.11	0.096	0.012	0.026	9.3	0.0032	0.066	0.00054	0.0021	0.000014	0.0096	0.0000056	18	0.00074	0.00051	0.00062	1.1
35	November	20	0.1	0.096	0.011	0.026	9.1	0.0031	0.067	0.00054	0.0021	0.000014	0.0097	0.0000056	18	0.00074	0.00051	0.00062	1.1
35	December	20	0.1	0.095	0.011	0.026	9	0.0031	0.067	0.00053	0.0021	0.000014	0.0096	0.0000056	18	0.00074	0.0005	0.00062	1.1
36	January	20	0.1	0.095	0.011	0.025	9	0.0031	0.067	0.00053	0.0021	0.000014	0.0096	0.0000056	18	0.00074	0.0005	0.00062	1.1
36	February	20	0.1	0.095	0.011	0.025	9.1	0.0031	0.067	0.00053	0.0021	0.000014	0.0097	0.0000056	18	0.00074	0.00051	0.00062	1.1
36	March	20	0.1	0.095	0.011	0.025	9.1	0.0031	0.066	0.00053	0.0021	0.000014	0.0098	0.0000056	18	0.00074	0.00051	0.00062	1.1
36	April	20	0.1	0.095	0.011	0.025	9.2	0.0031	0.066	0.00054	0.0021	0.000014	0.0099	0.0000057	18	0.00075	0.00051	0.00062	1.1
36	May	21	0.094	0.095	0.011	0.025	9.3	0.0031	0.065	0.00055	0.0021	0.000014	0.01	0.0000059	18	0.00076	0.00051	0.00062	1.1
36	June	21	0.088	0.095	0.01	0.025	9.4	0.0031	0.065	0.00056	0.0021	0.000015	0.011	0.0000060	19	0.00077	0.00052	0.00063	1.1
36	July	21	0.085	0.095	0.01	0.025	9.7	0.0031	0.064	0.00057	0.0021	0.000015	0.011	0.0000062	19	0.00079	0.00053	0.00063	1.1
36	August	21	0.084	0.094	0.0098	0.025	9.9	0.0031	0.064	0.00058	0.0021	0.000015	0.011	0.0000063	19	0.0008	0.00054	0.00064	1.1
36	September	20	0.082	0.094	0.0096	0.025	10	0.0031	0.064	0.00059	0.0021	0.000015	0.011	0.0000064	19	0.00081	0.00054	0.00064	1.1
36	October	20	0.08	0.093	0.0094	0.025	10	0.0031	0.065	0.00059	0.0021	0.000015	0.012	0.0000064	19	0.00081	0.00055	0.00064	1.1
36	November	20	0.079	0.092	0.0093	0.025	10	0.0031	0.065	0.00058	0.0021	0.000015	0.011	0.0000064	19	0.00081	0.00054	0.00064	1.1
36	December	20	0.079	0.092	0.0092	0.025	9.8	0.0031	0.065	0.00058	0.0021	0.000015	0.011	0.0000063	19	0.00081	0.00054	0.00064	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	20	0.079	0.092	0.0091	0.025	9.8	0.003	0.065	0.00058	0.0021	0.000015	0.011	0.0000063	19	0.00081	0.00054	0.00064	1.1
37	February	20	0.08	0.092	0.0091	0.025	9.9	0.003	0.065	0.00058	0.0021	0.000015	0.011	0.0000063	19	0.00081	0.00054	0.00064	1.1
37	March	20	0.081	0.091	0.0091	0.025	9.9	0.003	0.065	0.00058	0.0021	0.000015	0.011	0.0000063	19	0.00081	0.00054	0.00064	1.1
37	April	20	0.08	0.092	0.009	0.025	9.9	0.003	0.064	0.00058	0.0021	0.000015	0.012	0.0000064	19	0.00081	0.00054	0.00064	1.1
37	May	20	0.076	0.093	0.009	0.025	9.9	0.0031	0.064	0.00059	0.0021	0.000015	0.012	0.0000064	19	0.00081	0.00054	0.00064	1.1
37	June	21	0.073	0.093	0.0088	0.025	10	0.0031	0.064	0.00059	0.002	0.000016	0.012	0.0000065	19	0.00081	0.00054	0.00064	1.1
37	July	21	0.071	0.093	0.0087	0.025	10	0.0031	0.063	0.0006	0.002	0.000016	0.012	0.0000066	20	0.00083	0.00055	0.00065	1.1
37	August	20	0.071	0.092	0.0087	0.025	10	0.0031	0.063	0.00061	0.002	0.000016	0.012	0.0000067	20	0.00084	0.00056	0.00065	1.1
37	September	20	0.07	0.092	0.0086	0.025	11	0.0031	0.063	0.00061	0.002	0.000016	0.012	0.0000068	20	0.00084	0.00056	0.00065	1.1
37	October	20	0.069	0.091	0.0084	0.025	11	0.003	0.064	0.00061	0.002	0.000016	0.012	0.0000068	20	0.00085	0.00056	0.00065	1.1
37	November	20	0.068	0.091	0.0083	0.025	10	0.003	0.064	0.0006	0.0021	0.000016	0.012	0.0000067	20	0.00084	0.00056	0.00065	1.1
37	December	20	0.069	0.09	0.0083	0.025	10	0.003	0.064	0.0006	0.0021	0.000016	0.012	0.0000066	20	0.00084	0.00055	0.00065	1.1
38	January	20	0.069	0.09	0.0082	0.025	10	0.003	0.064	0.0006	0.0021	0.000016	0.012	0.0000066	20	0.00084	0.00055	0.00065	1.1
38	February	20	0.07	0.09	0.0082	0.025	10	0.003	0.064	0.0006	0.0021	0.000016	0.012	0.0000066	20	0.00084	0.00055	0.00065	1.1
38	March	20	0.071	0.09	0.0082	0.025	10	0.003	0.064	0.0006	0.0021	0.000016	0.012	0.0000066	20	0.00084	0.00055	0.00065	1.1
38	April	20	0.071	0.09	0.0082	0.025	10	0.003	0.064	0.0006	0.002	0.000016	0.012	0.0000067	20	0.00084	0.00055	0.00065	1.1
38	May	20	0.068	0.092	0.0082	0.025	10	0.003	0.063	0.0006	0.002	0.000016	0.012	0.0000067	20	0.00083	0.00055	0.00065	1.1
38	June	21	0.066	0.092	0.0082	0.025	10	0.0031	0.063	0.0006	0.002	0.000016	0.012	0.0000067	20	0.00083	0.00055	0.00065	1.1
38	July	21	0.065	0.092	0.0082	0.025	10	0.0031	0.063	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
38	August	20	0.065	0.092	0.0081	0.025	11	0.0031	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00057	0.00066	1.1
38	September	20	0.065	0.091	0.0081	0.025	11	0.003	0.063	0.00063	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00057	0.00066	1.1
38	October	20	0.064	0.091	0.008	0.025	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00057	0.00066	1.1
38	November	20	0.064	0.09	0.0079	0.025	10	0.003	0.064	0.00061	0.0021	0.000016	0.013	0.0000068	20	0.00086	0.00056	0.00066	1.1
38	December	20	0.064	0.09	0.0079	0.025	10	0.003	0.064	0.00061	0.0021	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
39	January	20	0.065	0.09	0.0078	0.025	10	0.003	0.064	0.00061	0.0021	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
39	February	20	0.066	0.089	0.0078	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
39	March	20	0.067	0.089	0.0078	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
39	April	20	0.067	0.09	0.0078	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00085	0.00056	0.00065	1.1
39	May	20	0.065	0.091	0.0079	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00084	0.00056	0.00065	1.1
39	June	21	0.063	0.092	0.008	0.024	10	0.0031	0.063	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00084	0.00056	0.00065	1.1
39	July	21	0.062	0.091	0.0079	0.024	11	0.0031	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00066	1.1
39	August	20	0.062	0.091	0.0079	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
39	September	20	0.062	0.091	0.0079	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
39	October	20	0.062	0.09	0.0078	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
39	November	20	0.062	0.09	0.0077	0.025	11	0.003	0.064	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00057	0.00066	1.1
39	December	20	0.062	0.089	0.0077	0.025	10	0.003	0.064	0.00061	0.0021	0.000016	0.013	0.0000068	20	0.00086	0.00056	0.00066	1.1
40	January	20	0.063	0.089	0.0077	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000068	20	0.00086	0.00056	0.00065	1.1
40	February	20	0.064	0.089	0.0076	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
40	March	20	0.065	0.089	0.0076	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
40	April	20	0.065	0.09	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
40	May	20	0.063	0.091	0.0078	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
40	June	21	0.061	0.091	0.0078	0.024	10	0.0031	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
40	July	21	0.061	0.091	0.0078	0.024	11	0.0031	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
40	August	20	0.061	0.091	0.0078	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
40	September	20	0.061	0.091	0.0078	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
40	October	20	0.061	0.09	0.0077	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
40	November	20	0.061	0.09	0.0076	0.025	11	0.003	0.064	0.00062	0.002	0.000017	0.013	0.0000069	20	0.00087	0.00057	0.00066	1.1
40	December	20	0.061	0.089	0.0076	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
41	January	20	0.062	0.089	0.0076	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
41	February	20	0.063	0.089	0.0076	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
41	March	20	0.064	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
41	April	20	0.064	0.089	0.0076	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
41	May	20	0.063	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
41	June	21	0.061	0.091	0.0078	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
41	July	21	0.06	0.091	0.0078	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
41	August	20	0.061	0.091	0.0078	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	20	0.061	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
41	October	20	0.06	0.09	0.0077	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
41	November	20	0.06	0.09	0.0076	0.025	11	0.003	0.064	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
41	December	20	0.061	0.089	0.0076	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
42	January	20	0.062	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
42	February	20	0.063	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
42	March	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
42	April	20	0.064	0.089	0.0076	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
42	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
42	June	21	0.061	0.091	0.0078	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
42	July	21	0.06	0.091	0.0078	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
42	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
42	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
42	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
42	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
42	December	20	0.061	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
43	January	20	0.062	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
43	February	20	0.063	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
43	March	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
43	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
43	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
43	June	21	0.06	0.091	0.0078	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
43	July	21	0.06	0.091	0.0078	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
43	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
43	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
43	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
43	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
43	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
44	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
44	February	20	0.063	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
44	March	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
44	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
44	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
44	June	21	0.06	0.091	0.0078	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
44	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
44	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
44	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
44	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
44	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
44	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
45	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
45	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
45	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
45	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
45	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
45	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
45	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
45	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
45	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
45	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
45	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
45	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
46	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
46	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
46	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
46	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
46	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
46	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
46	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
46	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
46	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
46	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
46	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
47	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
47	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
47	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
47	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
47	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
47	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
47	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
47	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
47	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
47	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
47	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
47	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
48	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
48	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
48	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
48	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
48	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
48	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
48	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
48	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
48	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
48	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
48	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
48	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
49	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
49	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
49	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
49	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
49	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
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49	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
49	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
49	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
49	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
49	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
49	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
50	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
50	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
50	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
50	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
50	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
50	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
50	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
50	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
50	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
50	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
50	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
50	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
51	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
51	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
51	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
51	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
51	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
51	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
51	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
51	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
51	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
51	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
51	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
52	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
52	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
52	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
52	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
52	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
52	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
52	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
52	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
52	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
52	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
52	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
52	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
53	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
53	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
53	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
53	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
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53	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
53	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
53	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
53	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
53	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
54	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
54	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
54	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
54	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
54	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
54	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
54	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
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54	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
54	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
54	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
54	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
55	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
55	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
55	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
55	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
55	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
55	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
55	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
55	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
55	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
55	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
55	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
56	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
56	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
56	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
56	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
56	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
56	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
56	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
56	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
56	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
56	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
56	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
56	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
57	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
57	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
57	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
57	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
57	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
57	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
57	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
57	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
57	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
57	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
57	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
57	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
58	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
58	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
58	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
58	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
58	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
58	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
58	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
58	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
58	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
58	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
58	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
58	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
59	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
59	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
59	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
59	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
59	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
59	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
59	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
59	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
59	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
59	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
59	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
59	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
60	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
60	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
60	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
60	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
60	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
60	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
60	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
60	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
60	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
60	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
60	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
61	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
61	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
61	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
61	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
61	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
61	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
61	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
61	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
61	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
61	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
61	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
61	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
62	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
62	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
62	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
62	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
62	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
62	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
62	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
62	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
62	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
62	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
62	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
62	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
63	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
63	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
63	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
63	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
63	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
63	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
63	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
63	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
63	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
63	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
63	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
63	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
64	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
64	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
64	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
64	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
64	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
64	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
64	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
64	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
64	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
64	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
64	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
64	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
65	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
65	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
65	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
65	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
65	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
65	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
65	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
65	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
65	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
65	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
65	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
66	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
66	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
66	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
66	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
66	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
66	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
66	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
66	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
66	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
66	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
66	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
66	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
67	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
67	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
67	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
67	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
67	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
67	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
67	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
67	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.062	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
67	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
67	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
67	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
67	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
68	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
68	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
68	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
68	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
68	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
68	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
68	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
68	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
68	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
68	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
68	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
68	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
69	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
69	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
69	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
69	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
69	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
69	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
69	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
69	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
69	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
69	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
69	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
70	January	20	0.061	0.089	0.0075	0.024	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
70	February	20	0.062	0.089	0.0075	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1
70	March	20	0.063	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
70	April	20	0.064	0.089	0.0075	0.024	11	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00065	1.1
70	May	20	0.062	0.091	0.0077	0.024	10	0.003	0.063	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
70	June	21	0.06	0.091	0.0077	0.024	10	0.003	0.063	0.00062	0.002	0.000016	0.013	0.0000069	20	0.00085	0.00056	0.00065	1.1
70	July	21	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00086	0.00057	0.00066	1.1
70	August	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00057	0.00066	1.1
70	September	20	0.06	0.091	0.0077	0.024	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
70	October	20	0.06	0.09	0.0076	0.025	11	0.003	0.063	0.00063	0.002	0.000017	0.013	0.0000071	20	0.00087	0.00058	0.00066	1.1
70	November	20	0.06	0.089	0.0076	0.025	11	0.003	0.063	0.00062	0.002	0.000017	0.013	0.0000070	20	0.00087	0.00057	0.00066	1.1
70	December	20	0.06	0.089	0.0075	0.025	10	0.003	0.064	0.00061	0.002	0.000016	0.013	0.0000069	20	0.00086	0.00056	0.00066	1.1

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	February	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	March	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	April	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	May	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	June	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000038	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	July	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000039	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	August	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.00006	0.000014	0.0000039	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	September	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.000061	0.000014	0.0000039	0.00005	0.00015	0.00057	0.0015	0.00077	0.00036
-6	October	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.000061	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00077	0.00035
-6	November	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-6	December	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	January	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	February	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	March	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	April	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	May	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.000061	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00077	0.00035
-5	June	0.000051	3.1	0.044	0.0000021	0.00037	0.00053	1.0	0.000061	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00077	0.00035
-5	July	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000061	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	August	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	September	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00058	0.0015	0.00076	0.00035
-5	October	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-5	November	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-5	December	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	January	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	February	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	March	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	April	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	May	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	June	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	July	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	August	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000062	0.000014	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	September	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.0000039	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	October	0.000051	3.1	0.044	0.0000021	0.00037	0.00054	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00076	0.00035
-4	November	0.000051	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00075	0.00035
-4	December	0.000051	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0015	0.00075	0.00035
-3	January	0.000053	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0015	0.00075	0.00035
-3	February	0.000057	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0015	0.00075	0.00035
-3	March	0.00006	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0015	0.00076	0.00035
-3	April	0.000063	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0016	0.00076	0.00035
-3	May	0.000065	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.00059	0.0016	0.00076	0.00035
-3	June	0.000067	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000014	0.000004	0.00005	0.00015	0.00059	0.0016	0.00076	0.00035
-3	July	0.000069	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000014	0.000004	0.00005	0.00015	0.00059	0.0016	0.00076	0.00035
-3	August	0.000071	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000014	0.000004	0.00005	0.00015	0.00059	0.0016	0.00076	0.00035
-3	September	0.000073	3.1	0.044	0.0000021	0.00037	0.00055	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0016	0.00076	0.00035
-3	October	0.000076	3.1	0.044	0.0000021	0.00037	0.00056	1.0	0.000063	0.000013	0.000004	0.00005	0.00015	0.0006	0.0016	0.00076	0.00035
-3	November	0.000078	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000064	0.000013	0.000004	0.00005	0.00015	0.0006	0.0016	0.00076	0.00035
-3	December	0.000081	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000064	0.000013	0.000004	0.00005	0.00015	0.0006	0.0016	0.00076	0.00035
-2	January	0.000084	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000064	0.000013	0.000004	0.00005	0.00015	0.00061	0.0017	0.00076	0.00035
-2	February	0.000088	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.000004	0.00005	0.00015	0.00061	0.0017	0.00076	0.00035
-2	March	0.000091	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-2	April	0.000093	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-2	May	0.000092	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00077	0.00035
-2	June	0.00009	3.1	0.044	0.0000021	0.00037	0.00056	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00077	0.00035
-2	July	0.000091	3.1	0.044	0.0000021	0.00037	0.00056	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00077	0.00035
-2	August	0.000092	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00077	0.00035

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.000093	3.1	0.045	0.0000021	0.00037	0.00056	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00077	0.00035
-2	October	0.000094	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-2	November	0.000096	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-2	December	0.000098	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-1	January	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-1	February	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0018	0.00077	0.00035
-1	March	0.00011	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0018	0.00077	0.00035
-1	April	0.00011	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0018	0.00077	0.00035
-1	May	0.00011	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.00061	0.0018	0.00078	0.00035
-1	June	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00078	0.00035
-1	July	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.0006	0.0017	0.00078	0.00035
-1	August	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000063	0.000014	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-1	September	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000014	0.000004	0.000051	0.00015	0.00061	0.0017	0.00077	0.00035
-1	October	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0017	0.00077	0.00036
-1	November	0.0001	3.1	0.045	0.0000021	0.00037	0.00057	1.0	0.000064	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0018	0.00077	0.00036
-1	December	0.00011	3.1	0.045	0.0000021	0.00037	0.00058	1.0	0.000065	0.000013	0.0000041	0.000051	0.00015	0.00061	0.0018	0.00077	0.00037
1	January	0.00011	3.1	0.045	0.0000021	0.00037	0.00058	1.0	0.000065	0.000013	0.0000041	0.000052	0.00015	0.00061	0.0018	0.00077	0.00038
1	February	0.00011	3.1	0.045	0.0000021	0.00037	0.00058	1.0	0.000065	0.000013	0.0000041	0.000052	0.00015	0.00061	0.0018	0.00077	0.00039
1	March	0.00011	3.1	0.045	0.0000021	0.00037	0.00058	1.0	0.000065	0.000013	0.0000041	0.000052	0.00015	0.00062	0.0018	0.00077	0.0004
1	April	0.00011	3.1	0.045	0.0000021	0.00038	0.00058	1.0	0.000065	0.000013	0.0000041	0.000053	0.00015	0.00061	0.0018	0.00077	0.00041
1	May	0.00011	3.1	0.045	0.0000021	0.00038	0.00057	1.0	0.000064	0.000014	0.000004	0.000053	0.00015	0.00061	0.0018	0.00078	0.00042
1	June	0.00011	3.1	0.045	0.0000021	0.00038	0.00057	1.0	0.000064	0.000014	0.000004	0.000053	0.00015	0.00061	0.0018	0.00078	0.00042
1	July	0.0001	3.1	0.045	0.0000021	0.00038	0.00057	1.0	0.000064	0.000014	0.000004	0.000053	0.00015	0.00061	0.0018	0.00078	0.00044
1	August	0.0001	3.1	0.045	0.0000021	0.00038	0.00057	1.0	0.000065	0.000014	0.000004	0.000054	0.00015	0.00061	0.0018	0.00077	0.00045
1	September	0.0001	3.1	0.045	0.0000021	0.00038	0.00057	1.0	0.000065	0.000014	0.000004	0.000054	0.00015	0.00061	0.0018	0.00077	0.00046
1	October	0.0001	3.1	0.045	0.0000021	0.00039	0.00057	1.0	0.000066	0.000013	0.0000041	0.000054	0.00015	0.00061	0.0018	0.00077	0.00048
1	November	0.0001	3.1	0.045	0.0000021	0.00039	0.00057	1.0	0.000066	0.000013	0.0000041	0.000055	0.00015	0.00061	0.0018	0.00077	0.00049
1	December	0.00011	3.1	0.045	0.0000021	0.00039	0.00058	1.0	0.000066	0.000013	0.0000041	0.000056	0.00015	0.00061	0.0018	0.00077	0.00051
2	January	0.00011	3.1	0.045	0.0000021	0.00039	0.00058	1.1	0.000067	0.000013	0.0000041	0.000056	0.00015	0.00062	0.0018	0.00077	0.00054
2	February	0.00011	3.1	0.045	0.0000021	0.0004	0.00058	1.1	0.000067	0.000013	0.0000041	0.000057	0.00016	0.00062	0.0018	0.00077	0.00056
2	March	0.00011	3.1	0.045	0.0000021	0.0004	0.00058	1.1	0.000068	0.000013	0.0000041	0.000058	0.00016	0.00062	0.0018	0.00077	0.00059
2	April	0.00011	3.1	0.045	0.0000021	0.00041	0.00058	1.1	0.000068	0.000013	0.0000041	0.000059	0.00016	0.00061	0.0018	0.00077	0.00061
2	May	0.00011	3.1	0.045	0.0000021	0.00041	0.00057	1.1	0.000067	0.000014	0.0000041	0.000058	0.00016	0.00061	0.0018	0.00077	0.00061
2	June	0.00011	3.1	0.045	0.0000021	0.00041	0.00057	1.1	0.000067	0.000014	0.000004	0.000058	0.00016	0.00061	0.0018	0.00078	0.00061
2	July	0.0001	3.1	0.045	0.0000021	0.00041	0.00057	1.1	0.000067	0.000014	0.000004	0.000059	0.00016	0.00061	0.0018	0.00077	0.00062
2	August	0.0001	3.1	0.045	0.0000021	0.00041	0.00057	1.1	0.000067	0.000014	0.000004	0.000059	0.00016	0.00061	0.0018	0.00077	0.00064
2	September	0.0001	3.1	0.045	0.0000021	0.00041	0.00057	1.1	0.000068	0.000014	0.0000041	0.00006	0.00016	0.00061	0.0018	0.00077	0.00066
2	October	0.0001	3.1	0.045	0.0000021	0.00042	0.00057	1.1	0.000068	0.000013	0.0000041	0.000061	0.00016	0.00061	0.0017	0.00077	0.00068
2	November	0.0001	3.1	0.045	0.0000021	0.00042	0.00057	1.1	0.000069	0.000013	0.0000041	0.000061	0.00016	0.00061	0.0018	0.00077	0.0007
2	December	0.00011	3.1	0.045	0.0000021	0.00042	0.00058	1.1	0.000069	0.000013	0.0000041	0.000062	0.00016	0.00062	0.0018	0.00077	0.00073
3	January	0.00011	3.1	0.045	0.0000021	0.00043	0.00058	1.1	0.00007	0.000013	0.0000041	0.000063	0.00016	0.00062	0.0018	0.00077	0.00077
3	February	0.00011	3.1	0.045	0.0000021	0.00044	0.00058	1.1	0.000071	0.000013	0.0000041	0.000065	0.00016	0.00062	0.0018	0.00077	0.00081
3	March	0.00011	3.1	0.045	0.0000021	0.00044	0.00058	1.1	0.000071	0.000013	0.0000041	0.000066	0.00016	0.00062	0.0018	0.00077	0.00086
3	April	0.00011	3.1	0.045	0.0000021	0.00045	0.00058	1.1	0.000071	0.000013	0.0000041	0.000067	0.00016	0.00062	0.0018	0.00077	0.00088
3	May	0.00011	3.1	0.045	0.0000021	0.00044	0.00057	1.1	0.00007	0.000014	0.0000041	0.000066	0.00016	0.00061	0.0018	0.00077	0.00086
3	June	0.00011	3.1	0.045	0.0000021	0.00044	0.00057	1.1	0.00007	0.000014	0.000004	0.000065	0.00016	0.00061	0.0018	0.00077	0.00084
3	July	0.0001	3.1	0.045	0.0000021	0.00044	0.00057	1.1	0.00007	0.000014	0.0000041	0.000066	0.00016	0.00061	0.0017	0.00077	0.00086
3	August	0.0001	3.1	0.045	0.0000021	0.00045	0.00057	1.1	0.000071	0.000014	0.0000041	0.000067	0.00016	0.00061	0.0017	0.00077	0.00089
3	September	0.0001	3.1	0.045	0.0000021	0.00045	0.00057	1.1	0.000071	0.000014	0.0000041	0.000067	0.00016	0.00061	0.0017	0.00077	0.00091
3	October	0.0001	3.1	0.045	0.0000021	0.00045	0.00057	1.1	0.000072	0.000013	0.0000041	0.000068	0.00016	0.00061	0.0017	0.00077	0.00093
3	November	0.0001	3.1	0.045	0.0000021	0.00046	0.00057	1.1	0.000072	0.000013	0.0000041	0.000069	0.00016	0.00061	0.0017	0.00077	0.00095
3	December	0.00011	3.1	0.045	0.0000021	0.00046	0.00057	1.1	0.000073	0.000013	0.0000041	0.00007	0.00016	0.00062	0.0018	0.00077	0.00099
4	January	0.00011	3.1	0.045	0.0000021	0.00047	0.00058	1.1	0.000074	0.000013	0.0000041	0.000072	0.00016	0.00062	0.0018	0.00077	0.001
4	February	0.00011	3.1	0.045	0.0000021	0.00048	0.00058	1.1	0.000074	0.000013	0.0000041	0.000073	0.00016	0.00062	0.0018	0.00077	0.0011
4	March	0.00011	3.1	0.045	0.0000021	0.00049	0.00058	1.1	0.000075	0.000013	0.0000041	0.000075	0.00016	0.00062	0.0018	0.00077	0.0012
4	April	0.00011	3.1	0.045	0.0000021	0.00049	0.00058	1.1	0.000075	0.000014	0.0000041	0.000076	0.00016	0.00062	0.0018	0.00077	0.0012

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00011	3.1	0.045	0.0000021	0.00049	0.00057	1.1	0.000074	0.000014	0.0000041	0.000075	0.00016	0.00061	0.0018	0.00077	0.0011
4	June	0.0001	3.1	0.045	0.0000021	0.00048	0.00057	1.1	0.000073	0.000014	0.0000041	0.000073	0.00016	0.00061	0.0017	0.00077	0.0011
4	July	0.0001	3.1	0.045	0.0000021	0.00048	0.00057	1.1	0.000074	0.000014	0.0000041	0.000074	0.00016	0.00061	0.0017	0.00077	0.0011
4	August	0.0001	3.1	0.045	0.0000021	0.00049	0.00057	1.1	0.000074	0.000014	0.0000041	0.000075	0.00016	0.00061	0.0017	0.00077	0.0012
4	September	0.0001	3.1	0.045	0.0000021	0.00049	0.00057	1.1	0.000075	0.000014	0.0000041	0.000075	0.00016	0.00061	0.0017	0.00077	0.0012
4	October	0.0001	3.1	0.045	0.0000021	0.0005	0.00057	1.1	0.000075	0.000013	0.0000041	0.000076	0.00016	0.00061	0.0017	0.00077	0.0012
4	November	0.0001	3.1	0.045	0.0000021	0.0005	0.00057	1.1	0.000076	0.000013	0.0000041	0.000077	0.00017	0.00062	0.0017	0.00077	0.0012
4	December	0.00011	3.1	0.045	0.0000021	0.00051	0.00057	1.1	0.000076	0.000013	0.0000041	0.000078	0.00017	0.00062	0.0017	0.00077	0.0013
5	January	0.00011	3.1	0.045	0.0000021	0.00052	0.00057	1.1	0.000077	0.000013	0.0000041	0.00008	0.00017	0.00062	0.0018	0.00077	0.0013
5	February	0.00011	3.1	0.045	0.0000021	0.00053	0.00058	1.2	0.000078	0.000013	0.0000041	0.000082	0.00017	0.00062	0.0018	0.00077	0.0014
5	March	0.00011	3.1	0.045	0.0000021	0.00054	0.00058	1.2	0.000079	0.000013	0.0000041	0.000085	0.00017	0.00062	0.0018	0.00077	0.0015
5	April	0.00011	3.1	0.045	0.0000021	0.00054	0.00058	1.2	0.000079	0.000014	0.0000041	0.000085	0.00017	0.00062	0.0018	0.00077	0.0015
5	May	0.00011	3.1	0.045	0.0000021	0.00053	0.00057	1.2	0.000078	0.000014	0.0000041	0.000084	0.00017	0.00061	0.0018	0.00077	0.0014
5	June	0.0001	3.1	0.044	0.0000021	0.00053	0.00057	1.2	0.000077	0.000014	0.0000041	0.000082	0.00017	0.00061	0.0017	0.00077	0.0014
5	July	0.0001	3.1	0.045	0.0000021	0.00053	0.00057	1.2	0.000077	0.000014	0.0000041	0.000082	0.00017	0.00061	0.0017	0.00077	0.0014
5	August	0.0001	3.1	0.045	0.0000021	0.00053	0.00057	1.2	0.000078	0.000014	0.0000041	0.000083	0.00017	0.00061	0.0017	0.00077	0.0014
5	September	0.0001	3.1	0.045	0.0000021	0.00054	0.00057	1.2	0.000078	0.000014	0.0000041	0.000084	0.00017	0.00061	0.0017	0.00077	0.0015
5	October	0.0001	3.1	0.045	0.0000021	0.00054	0.00057	1.2	0.000079	0.000014	0.0000041	0.000084	0.00017	0.00061	0.0017	0.00077	0.0015
5	November	0.0001	3.1	0.045	0.0000021	0.00054	0.00057	1.2	0.000079	0.000013	0.0000041	0.000085	0.00017	0.00062	0.0017	0.00076	0.0015
5	December	0.00011	3.1	0.045	0.0000021	0.00055	0.00057	1.2	0.00008	0.000013	0.0000041	0.000087	0.00017	0.00062	0.0017	0.00076	0.0016
6	January	0.00011	3.1	0.045	0.0000021	0.00056	0.00057	1.2	0.000081	0.000013	0.0000041	0.000089	0.00017	0.00062	0.0018	0.00076	0.0016
6	February	0.00011	3.1	0.045	0.0000021	0.00058	0.00058	1.2	0.000083	0.000013	0.0000041	0.000092	0.00017	0.00062	0.0018	0.00077	0.0017
6	March	0.00011	3.1	0.045	0.0000021	0.00059	0.00058	1.2	0.000084	0.000013	0.0000041	0.000094	0.00017	0.00062	0.0018	0.00077	0.0018
6	April	0.00011	3.1	0.045	0.0000021	0.00059	0.00057	1.2	0.000084	0.000014	0.0000041	0.000095	0.00018	0.00062	0.0018	0.00077	0.0018
6	May	0.00011	3.1	0.045	0.0000021	0.00058	0.00057	1.2	0.000082	0.000014	0.0000041	0.000093	0.00017	0.00061	0.0018	0.00077	0.0018
6	June	0.0001	3.1	0.044	0.0000021	0.00057	0.00057	1.2	0.000081	0.000014	0.0000041	0.00009	0.00017	0.00061	0.0017	0.00077	0.0017
6	July	0.0001	3.1	0.044	0.0000021	0.00057	0.00057	1.2	0.000081	0.000014	0.0000041	0.00009	0.00017	0.00061	0.0017	0.00077	0.0017
6	August	0.0001	3.1	0.045	0.0000021	0.00058	0.00057	1.2	0.000081	0.000014	0.0000041	0.000091	0.00017	0.00061	0.0017	0.00077	0.0017
6	September	0.0001	3.1	0.045	0.0000021	0.00058	0.00057	1.2	0.000082	0.000014	0.0000041	0.000092	0.00017	0.00061	0.0017	0.00077	0.0017
6	October	0.0001	3.1	0.045	0.0000021	0.00058	0.00057	1.2	0.000083	0.000014	0.0000041	0.000093	0.00017	0.00062	0.0017	0.00077	0.0018
6	November	0.0001	3.1	0.045	0.0000021	0.00058	0.00057	1.2	0.000083	0.000013	0.0000041	0.000093	0.00017	0.00062	0.0017	0.00076	0.0018
6	December	0.0001	3.1	0.045	0.0000021	0.00059	0.00057	1.2	0.000084	0.000013	0.0000041	0.000095	0.00018	0.00062	0.0017	0.00076	0.0018
7	January	0.00011	3.1	0.045	0.0000021	0.00061	0.00057	1.2	0.000085	0.000013	0.0000041	0.000098	0.00018	0.00062	0.0018	0.00076	0.0019
7	February	0.00011	3.1	0.045	0.0000021	0.00063	0.00057	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.00062	0.0018	0.00076	0.002
7	March	0.00011	3.1	0.045	0.0000021	0.00064	0.00058	1.2	0.000088	0.000013	0.0000042	0.0001	0.00018	0.00062	0.0018	0.00076	0.0021
7	April	0.00011	3.1	0.045	0.0000021	0.00065	0.00057	1.2	0.000088	0.000014	0.0000041	0.00011	0.00018	0.00062	0.0018	0.00077	0.0022
7	May	0.00011	3.1	0.045	0.0000021	0.00063	0.00057	1.2	0.000086	0.000014	0.0000041	0.0001	0.00018	0.00062	0.0018	0.00077	0.0021
7	June	0.0001	3.1	0.044	0.0000021	0.00061	0.00056	1.2	0.000084	0.000014	0.0000041	0.000099	0.00018	0.00061	0.0017	0.00077	0.002
7	July	0.0001	3.1	0.044	0.0000021	0.00061	0.00056	1.2	0.000085	0.000014	0.0000041	0.000099	0.00018	0.00061	0.0017	0.00077	0.002
7	August	0.0001	3.1	0.044	0.0000021	0.00062	0.00057	1.2	0.000085	0.000014	0.0000041	0.0001	0.00018	0.00061	0.0017	0.00077	0.002
7	September	0.0001	3.1	0.045	0.0000021	0.00062	0.00057	1.2	0.000086	0.000014	0.0000041	0.0001	0.00018	0.00061	0.0017	0.00077	0.002
7	October	0.0001	3.1	0.045	0.0000021	0.00063	0.00057	1.2	0.000086	0.000014	0.0000041	0.0001	0.00018	0.00062	0.0017	0.00076	0.002
7	November	0.0001	3.1	0.045	0.0000021	0.00063	0.00057	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.00062	0.0017	0.00076	0.0021
7	December	0.0001	3.1	0.045	0.0000021	0.00064	0.00057	1.2	0.000088	0.000013	0.0000041	0.0001	0.00018	0.00062	0.0017	0.00076	0.0021
8	January	0.00011	3.1	0.045	0.0000021	0.00066	0.00057	1.2	0.000089	0.000013	0.0000042	0.00011	0.00018	0.00062	0.0017	0.00076	0.0022
8	February	0.00011	3.1	0.045	0.0000021	0.00067	0.00057	1.3	0.000091	0.000013	0.0000042	0.00011	0.00018	0.00062	0.0018	0.00076	0.0024
8	March	0.00011	3.1	0.045	0.0000021	0.00069	0.00057	1.3	0.000093	0.000014	0.0000042	0.00011	0.00019	0.00062	0.0018	0.00076	0.0025
8	April	0.00011	3.1	0.045	0.0000021	0.0007	0.00057	1.3	0.000093	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0018	0.00077	0.0025
8	May	0.00011	3.1	0.045	0.0000021	0.00068	0.00057	1.3	0.00009	0.000014	0.0000041	0.00011	0.00018	0.00062	0.0017	0.00077	0.0024
8	June	0.0001	3.1	0.044	0.0000021	0.00066	0.00056	1.3	0.000088	0.000014	0.0000041	0.00011	0.00018	0.00061	0.0017	0.00077	0.0022
8	July	0.0001	3.1	0.044	0.0000021	0.00066	0.00056	1.2	0.000088	0.000014	0.0000041	0.00011	0.00018	0.00061	0.0017	0.00077	0.0022
8	August	0.0001	3.1	0.044	0.0000021	0.00066	0.00056	1.3	0.000089	0.000014	0.0000041	0.00011	0.00018	0.00061	0.0017	0.00077	0.0023
8	September	0.0001	3.1	0.045	0.0000021	0.00067	0.00057	1.3	0.00009	0.000014	0.0000041	0.00011	0.00018	0.00062	0.0017	0.00076	0.0023
8	October	0.0001	3.1	0.045	0.0000021	0.00067	0.00057	1.3	0.00009	0.000014	0.0000041	0.00011	0.00018	0.00062	0.0017	0.00076	0.0023
8	November	0.0001	3.1	0.045	0.0000021	0.00067	0.00057	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.00062	0.0017	0.00076	0.0023
8	December	0.0001	3.1	0.045	0.0000021	0.00068	0.00057	1.3	0.000092	0.000013	0.0000042	0.00011	0.00018	0.00062	0.0017	0.00076	0.0024

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00011	3.1	0.045	0.0000021	0.0007	0.00057	1.3	0.000093	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0025
9	February	0.00011	3.1	0.045	0.0000021	0.00072	0.00057	1.3	0.000095	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0018	0.00076	0.0027
9	March	0.00011	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000097	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0018	0.00076	0.0028
9	April	0.00011	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0018	0.00076	0.0028
9	May	0.00011	3.1	0.044	0.0000021	0.00072	0.00057	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00077	0.0027
9	June	0.0001	3.1	0.044	0.0000021	0.0007	0.00056	1.3	0.000092	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0025
9	July	0.0001	3.1	0.044	0.0000021	0.0007	0.00056	1.3	0.000092	0.000014	0.0000041	0.00011	0.00019	0.00061	0.0017	0.00077	0.0025
9	August	0.0001	3.1	0.044	0.0000021	0.0007	0.00056	1.3	0.000092	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0025
9	September	0.0001	3.1	0.044	0.0000021	0.0007	0.00057	1.3	0.000093	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0026
9	October	0.0001	3.1	0.045	0.0000021	0.0007	0.00057	1.3	0.000093	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0026
9	November	0.0001	3.1	0.045	0.0000021	0.0007	0.00057	1.3	0.000093	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0026
9	December	0.0001	3.1	0.045	0.0000021	0.00072	0.00057	1.3	0.000095	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0026
10	January	0.00011	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
10	February	0.00011	3.1	0.045	0.0000021	0.00076	0.00057	1.3	0.000098	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0029
10	March	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.00019	0.00063	0.0018	0.00076	0.003
10	April	0.00011	3.1	0.045	0.0000021	0.00078	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0018	0.00076	0.003
10	May	0.00011	3.1	0.044	0.0000021	0.00075	0.00057	1.3	0.000097	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00077	0.0028
10	June	0.0001	3.1	0.044	0.0000021	0.00072	0.00056	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0027
10	July	0.0001	3.1	0.044	0.0000021	0.00072	0.00056	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0026
10	August	0.0001	3.1	0.044	0.0000021	0.00072	0.00056	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
10	September	0.0001	3.1	0.044	0.0000021	0.00072	0.00056	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
10	October	0.0001	3.1	0.045	0.0000021	0.00072	0.00057	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
10	November	0.0001	3.1	0.045	0.0000021	0.00072	0.00057	1.3	0.000095	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
10	December	0.0001	3.1	0.045	0.0000021	0.00073	0.00057	1.3	0.000096	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
11	January	0.00011	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000098	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0029
11	February	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00063	0.0017	0.00076	0.003
11	March	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0018	0.00076	0.0031
11	April	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00062	0.0018	0.00076	0.0031
11	May	0.00011	3.1	0.044	0.0000021	0.00076	0.00057	1.3	0.000098	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00077	0.0029
11	June	0.0001	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0027
11	July	0.0001	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0027
11	August	0.0001	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
11	September	0.0001	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
11	October	0.0001	3.1	0.045	0.0000021	0.00073	0.00057	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
11	November	0.0001	3.1	0.045	0.0000021	0.00073	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0027
11	December	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000097	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
12	January	0.00011	3.1	0.045	0.0000021	0.00076	0.00057	1.3	0.000098	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0029
12	February	0.00011	3.1	0.045	0.0000021	0.00078	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.00019	0.00063	0.0017	0.00076	0.003
12	March	0.00011	3.1	0.045	0.0000021	0.0008	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
12	April	0.00011	3.1	0.045	0.0000021	0.0008	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
12	May	0.00011	3.1	0.044	0.0000021	0.00077	0.00057	1.3	0.000098	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
12	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
12	July	0.0001	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0027
12	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
12	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
12	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
12	November	0.0001	3.1	0.045	0.0000021	0.00073	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
12	December	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000097	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
13	January	0.00011	3.1	0.045	0.0000021	0.00076	0.00057	1.3	0.000099	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0029
13	February	0.00011	3.1	0.045	0.0000021	0.00078	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.00019	0.00063	0.0017	0.00076	0.0031
13	March	0.00011	3.1	0.045	0.0000021	0.0008	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
13	April	0.00011	3.1	0.045	0.0000021	0.0008	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
13	May	0.00011	3.1	0.044	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
13	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
13	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
13	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
13	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
13	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
13	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
14	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
14	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
14	March	0.00011	3.1	0.045	0.0000021	0.0008	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
14	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
14	May	0.00011	3.1	0.044	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
14	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
14	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
14	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
14	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
14	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
14	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
14	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
15	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
15	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
15	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
15	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
15	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
15	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
15	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
15	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
15	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
15	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
15	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
15	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
16	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
16	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
16	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
16	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
16	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
16	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
16	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
16	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
16	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
16	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
16	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
16	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
17	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
17	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
17	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
17	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
17	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
17	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
17	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
17	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
17	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
17	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
17	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
17	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
18	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
18	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
18	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
18	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
18	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
18	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
18	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
18	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
18	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
18	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
18	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
19	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
19	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
19	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
19	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
19	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
19	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
19	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
19	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
19	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
19	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
19	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
19	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
20	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
20	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
20	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
20	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
20	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
20	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
20	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
20	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
20	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
20	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
20	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
20	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
21	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
21	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
21	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
21	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
21	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
21	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
21	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
21	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
21	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
21	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
21	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
21	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
22	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
22	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
22	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
22	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
22	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
22	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
22	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
22	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
22	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
22	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
22	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
22	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
23	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
23	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
23	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
23	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
23	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
23	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
23	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
23	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
23	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
23	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
23	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
24	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
24	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
24	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
24	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
24	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
24	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
24	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
24	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
24	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
24	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
24	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
24	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
25	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
25	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
25	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
25	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
25	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
25	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
25	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
25	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
25	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
25	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
25	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
25	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
26	January	0.00011	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
26	February	0.00011	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00063	0.0017	0.00076	0.0031
26	March	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00063	0.0018	0.00076	0.0032
26	April	0.00011	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0018	0.00076	0.0032
26	May	0.00011	3.1	0.044	0.0000021	0.00078	0.00057	1.3	0.000099	0.000014	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
26	June	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
26	July	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00077	0.0028
26	August	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
26	September	0.0001	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
26	October	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
26	November	0.0001	3.1	0.045	0.0000021	0.00074	0.00057	1.3	0.000096	0.000014	0.0000042	0.00012	0.00019	0.00062	0.0017	0.00076	0.0028
26	December	0.0001	3.1	0.045	0.0000021	0.00075	0.00057	1.3	0.000097	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.0028
27	January	0.0001	3.1	0.045	0.0000021	0.00077	0.00057	1.3	0.000099	0.000013	0.0000042	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
27	February	0.0001	3.1	0.045	0.0000021	0.00079	0.00057	1.3	0.0001	0.000014	0.0000042	0.00013	0.0002	0.00062	0.0017	0.00076	0.0031
27	March	0.0001	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0017	0.00076	0.0032
27	April	0.0001	3.1	0.045	0.0000021	0.00081	0.00057	1.4	0.0001	0.000014	0.0000042	0.00014	0.0002	0.00062	0.0017	0.00076	0.0032
27	May	0.000095	3.1	0.044	0.0000021	0.00077	0.00056	1.3	0.000099	0.000014	0.0000041	0.00013	0.00019	0.00062	0.0017	0.00076	0.003
27	June	0.000089	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0017	0.00076	0.0028
27	July	0.000086	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00076	0.0028
27	August	0.000084	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000095	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00076	0.0028

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.000083	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00076	0.0028
27	October	0.00008	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000096	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00075	0.0027
27	November	0.000079	3.1	0.044	0.0000021	0.00073	0.00056	1.3	0.000096	0.000013	0.0000041	0.00012	0.00019	0.00062	0.0016	0.00075	0.0027
27	December	0.000078	3.1	0.044	0.0000021	0.00074	0.00056	1.3	0.000096	0.000013	0.0000041	0.00012	0.00019	0.00062	0.0016	0.00075	0.0028
28	January	0.000077	3.1	0.044	0.0000021	0.00076	0.00056	1.3	0.000098	0.000013	0.0000041	0.00013	0.00019	0.00062	0.0016	0.00075	0.0029
28	February	0.000077	3.1	0.044	0.0000021	0.00077	0.00056	1.3	0.000099	0.000013	0.0000041	0.00013	0.00019	0.00062	0.0016	0.00075	0.003
28	March	0.000077	3.1	0.044	0.0000021	0.00079	0.00056	1.3	0.0001	0.000013	0.0000041	0.00013	0.0002	0.00062	0.0016	0.00075	0.0031
28	April	0.000076	3.1	0.044	0.0000021	0.00079	0.00056	1.3	0.0001	0.000013	0.0000041	0.00013	0.0002	0.00062	0.0016	0.00075	0.0031
28	May	0.000072	3.1	0.044	0.0000021	0.00076	0.00055	1.3	0.000097	0.000014	0.0000041	0.00013	0.00019	0.00061	0.0016	0.00075	0.0029
28	June	0.00007	3.1	0.044	0.0000021	0.00073	0.00055	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00075	0.0027
28	July	0.000068	3.1	0.044	0.0000021	0.00072	0.00055	1.3	0.000093	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00075	0.0026
28	August	0.000067	3.1	0.044	0.0000021	0.00072	0.00055	1.3	0.000094	0.000014	0.0000041	0.00012	0.00019	0.00061	0.0016	0.00075	0.0027
28	September	0.000066	3.1	0.044	0.0000021	0.00072	0.00055	1.3	0.000094	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00075	0.0027
28	October	0.000065	3.1	0.044	0.0000021	0.00071	0.00055	1.3	0.000094	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00075	0.0026
28	November	0.000064	3.1	0.044	0.0000021	0.00071	0.00055	1.3	0.000094	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00075	0.0026
28	December	0.000064	3.1	0.044	0.0000021	0.00072	0.00055	1.3	0.000094	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0026
29	January	0.000064	3.1	0.044	0.0000021	0.00073	0.00055	1.3	0.000096	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0027
29	February	0.000064	3.1	0.044	0.0000021	0.00075	0.00055	1.3	0.000097	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0028
29	March	0.000064	3.1	0.044	0.0000021	0.00076	0.00055	1.3	0.000098	0.000013	0.0000041	0.00013	0.00019	0.00061	0.0015	0.00074	0.0029
29	April	0.000063	3.1	0.044	0.0000021	0.00076	0.00055	1.3	0.000098	0.000013	0.0000041	0.00013	0.00019	0.00061	0.0015	0.00074	0.0029
29	May	0.000061	3.1	0.044	0.0000021	0.00073	0.00055	1.3	0.000095	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00075	0.0027
29	June	0.00006	3.1	0.044	0.0000021	0.0007	0.00054	1.3	0.000092	0.000014	0.0000041	0.00012	0.00019	0.0006	0.0015	0.00075	0.0025
29	July	0.000059	3.1	0.044	0.0000021	0.00069	0.00054	1.3	0.000091	0.000014	0.0000041	0.00011	0.00018	0.0006	0.0015	0.00075	0.0025
29	August	0.000059	3.1	0.044	0.0000021	0.00069	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.0006	0.0015	0.00075	0.0025
29	September	0.000058	3.1	0.044	0.0000021	0.00069	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.0006	0.0015	0.00075	0.0025
29	October	0.000058	3.1	0.044	0.0000021	0.00069	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00075	0.0024
29	November	0.000058	3.1	0.044	0.0000021	0.00068	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0024
29	December	0.000057	3.1	0.044	0.0000021	0.00069	0.00055	1.3	0.000092	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0025
30	January	0.000057	3.1	0.044	0.0000021	0.0007	0.00055	1.3	0.000093	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0025
30	February	0.000057	3.1	0.044	0.0000021	0.00072	0.00055	1.3	0.000094	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0026
30	March	0.000057	3.1	0.044	0.0000021	0.00073	0.00055	1.3	0.000095	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0027
30	April	0.000057	3.1	0.044	0.0000021	0.00073	0.00055	1.3	0.000095	0.000013	0.0000041	0.00012	0.00019	0.00061	0.0015	0.00074	0.0027
30	May	0.000056	3.1	0.044	0.0000021	0.0007	0.00054	1.3	0.000092	0.000013	0.0000041	0.00011	0.00019	0.0006	0.0015	0.00075	0.0025
30	June	0.000055	3.1	0.044	0.0000021	0.00067	0.00054	1.3	0.000089	0.000014	0.000004	0.00011	0.00018	0.0006	0.0015	0.00075	0.0023
30	July	0.000055	3.1	0.044	0.0000021	0.00066	0.00054	1.3	0.000089	0.000013	0.000004	0.00011	0.00018	0.0006	0.0015	0.00075	0.0023
30	August	0.000055	3.1	0.044	0.0000021	0.00066	0.00054	1.3	0.000089	0.000013	0.000004	0.00011	0.00018	0.0006	0.0015	0.00075	0.0023
30	September	0.000054	3.1	0.044	0.0000021	0.00066	0.00054	1.3	0.000089	0.000013	0.0000041	0.00011	0.00018	0.0006	0.0015	0.00075	0.0023
30	October	0.000054	3.1	0.044	0.0000021	0.00066	0.00055	1.2	0.000089	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0022
30	November	0.000054	3.1	0.044	0.0000021	0.00065	0.00055	1.2	0.000089	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0022
30	December	0.000054	3.1	0.044	0.0000021	0.00066	0.00055	1.2	0.000089	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
31	January	0.000054	3.1	0.044	0.0000021	0.00067	0.00055	1.3	0.00009	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
31	February	0.000054	3.1	0.044	0.0000021	0.00068	0.00055	1.3	0.000092	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0024
31	March	0.000054	3.1	0.044	0.0000021	0.0007	0.00055	1.3	0.000093	0.000013	0.0000041	0.00011	0.00019	0.00061	0.0015	0.00074	0.0025
31	April	0.000054	3.1	0.044	0.0000021	0.0007	0.00055	1.3	0.000092	0.000013	0.0000041	0.00011	0.00019	0.00061	0.0015	0.00074	0.0025
31	May	0.000053	3.1	0.044	0.0000021	0.00067	0.00054	1.3	0.00009	0.000013	0.000004	0.00011	0.00018	0.0006	0.0015	0.00075	0.0023
31	June	0.000053	3.1	0.044	0.0000021	0.00065	0.00054	1.2	0.000087	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0022
31	July	0.000053	3.1	0.044	0.0000021	0.00064	0.00054	1.2	0.000087	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
31	August	0.000053	3.1	0.044	0.0000021	0.00064	0.00054	1.2	0.000087	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
31	September	0.000052	3.1	0.044	0.0000021	0.00064	0.00054	1.2	0.000087	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
31	October	0.000052	3.1	0.044	0.0000021	0.00064	0.00055	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.0006	0.0015	0.00074	0.0021
31	November	0.000052	3.1	0.044	0.0000021	0.00063	0.00055	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0021
31	December	0.000052	3.1	0.044	0.0000021	0.00064	0.00055	1.2	0.000088	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0021
32	January	0.000052	3.1	0.044	0.0000021	0.00065	0.00055	1.2	0.000089	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0022
32	February	0.000052	3.1	0.044	0.0000021	0.00067	0.00055	1.3	0.00009	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
32	March	0.000052	3.1	0.044	0.0000021	0.00068	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0024
32	April	0.000052	3.1	0.044	0.0000021	0.00068	0.00055	1.3	0.000091	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0024

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000052	3.1	0.044	0.0000021	0.00066	0.00054	1.2	0.000088	0.000013	0.000004	0.00011	0.00018	0.0006	0.0015	0.00075	0.0022
32	June	0.000052	3.1	0.044	0.0000021	0.00063	0.00054	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
32	July	0.000052	3.1	0.044	0.0000021	0.00063	0.00054	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
32	August	0.000052	3.1	0.044	0.0000021	0.00063	0.00054	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
32	September	0.000052	3.1	0.044	0.0000021	0.00063	0.00054	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0021
32	October	0.000052	3.1	0.044	0.0000021	0.00063	0.00055	1.2	0.000086	0.000013	0.0000041	0.0001	0.00018	0.0006	0.0015	0.00074	0.002
32	November	0.000052	3.1	0.044	0.0000021	0.00062	0.00055	1.2	0.000086	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.002
32	December	0.000051	3.1	0.044	0.0000021	0.00063	0.00055	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0021
33	January	0.000051	3.1	0.044	0.0000021	0.00064	0.00055	1.2	0.000088	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0022
33	February	0.000051	3.1	0.044	0.0000021	0.00066	0.00055	1.2	0.000089	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
33	March	0.000051	3.1	0.044	0.0000021	0.00067	0.00055	1.3	0.00009	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
33	April	0.000051	3.1	0.044	0.0000021	0.00067	0.00055	1.3	0.00009	0.000013	0.0000041	0.00011	0.00018	0.00061	0.0015	0.00074	0.0023
33	May	0.000051	3.1	0.044	0.0000021	0.00065	0.00054	1.2	0.000088	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.0022
33	June	0.000051	3.1	0.044	0.0000021	0.00063	0.00054	1.2	0.000085	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.002
33	July	0.000051	3.1	0.044	0.0000021	0.00062	0.00054	1.2	0.000085	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.002
33	August	0.000051	3.1	0.044	0.0000021	0.00062	0.00054	1.2	0.000085	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.002
33	September	0.000051	3.1	0.044	0.0000021	0.00062	0.00054	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00075	0.002
33	October	0.000051	3.1	0.044	0.0000021	0.00062	0.00055	1.2	0.000086	0.000013	0.000004	0.0001	0.00018	0.0006	0.0015	0.00074	0.002
33	November	0.000051	3.1	0.044	0.0000021	0.00062	0.00055	1.2	0.000086	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.002
33	December	0.000051	3.1	0.044	0.0000021	0.00063	0.00055	1.2	0.000087	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0021
34	January	0.000051	3.1	0.044	0.0000021	0.00064	0.00055	1.2	0.000089	0.000013	0.0000041	0.0001	0.00018	0.00061	0.0015	0.00074	0.0021
34	February	0.000051	3	0.045	0.0000022	0.00065	0.00055	1.3	0.000092	0.000013	0.0000041	0.00011	0.00019	0.00062	0.0015	0.00075	0.0021
34	March	0.000051	3	0.045	0.0000022	0.00066	0.00055	1.3	0.000095	0.000014	0.0000041	0.00011	0.00019	0.00063	0.0015	0.00076	0.0021
34	April	0.00005	3	0.045	0.0000022	0.00066	0.00055	1.3	0.000096	0.000014	0.0000042	0.00011	0.0002	0.00064	0.0015	0.00077	0.002
34	May	0.00005	3	0.045	0.0000023	0.00063	0.00055	1.3	0.000095	0.000014	0.0000041	0.0001	0.0002	0.00064	0.0015	0.00077	0.0018
34	June	0.00005	3	0.045	0.0000023	0.00061	0.00055	1.3	0.000094	0.000014	0.0000041	0.000099	0.0002	0.00064	0.0015	0.00078	0.0016
34	July	0.00005	3	0.045	0.0000023	0.0006	0.00055	1.3	0.000095	0.000015	0.0000042	0.000098	0.0002	0.00065	0.0015	0.00079	0.0015
34	August	0.00005	3	0.045	0.0000023	0.0006	0.00056	1.3	0.000096	0.000015	0.0000042	0.000098	0.0002	0.00066	0.0015	0.00079	0.0015
34	September	0.00005	3	0.045	0.0000024	0.0006	0.00056	1.3	0.000098	0.000015	0.0000042	0.000099	0.0002	0.00066	0.0015	0.00079	0.0014
34	October	0.00005	3	0.045	0.0000024	0.0006	0.00057	1.3	0.0001	0.000015	0.0000043	0.0001	0.00021	0.00068	0.0015	0.0008	0.0014
34	November	0.00005	3	0.045	0.0000025	0.00061	0.00057	1.3	0.0001	0.000015	0.0000043	0.0001	0.00022	0.00069	0.0016	0.00081	0.0013
34	December	0.00005	3	0.045	0.0000025	0.00061	0.00057	1.4	0.00011	0.000015	0.0000043	0.0001	0.00022	0.0007	0.0016	0.00081	0.0013
35	January	0.00005	3	0.045	0.0000025	0.00062	0.00058	1.4	0.00011	0.000015	0.0000044	0.0001	0.00023	0.00071	0.0016	0.00082	0.0013
35	February	0.00005	3	0.045	0.0000026	0.00063	0.00058	1.4	0.00011	0.000016	0.0000044	0.00011	0.00023	0.00072	0.0016	0.00082	0.0013
35	March	0.000049	3	0.046	0.0000026	0.00064	0.00058	1.4	0.00012	0.000016	0.0000044	0.00011	0.00024	0.00073	0.0016	0.00083	0.0013
35	April	0.000049	3	0.046	0.0000027	0.00066	0.00058	1.5	0.00012	0.000016	0.0000045	0.00011	0.00025	0.00075	0.0016	0.00085	0.0013
35	May	0.000049	3	0.047	0.000003	0.00073	0.0006	1.6	0.00014	0.000018	0.0000047	0.00013	0.00028	0.00081	0.0017	0.0009	0.0011
35	June	0.000049	2.9	0.048	0.0000033	0.00082	0.00063	1.8	0.00017	0.00002	0.000005	0.00015	0.00033	0.0009	0.0018	0.00097	0.001
35	July	0.000049	2.9	0.049	0.0000036	0.00089	0.00065	2.0	0.00019	0.000022	0.0000052	0.00016	0.00037	0.00097	0.0018	0.001	0.001
35	August	0.000048	2.9	0.049	0.0000038	0.00094	0.00066	2.1	0.0002	0.000023	0.0000054	0.00017	0.00039	0.001	0.0019	0.0011	0.00097
35	September	0.000048	2.9	0.05	0.0000039	0.00098	0.00067	2.2	0.00021	0.000023	0.0000055	0.00018	0.00041	0.0011	0.0019	0.0011	0.00094
35	October	0.000048	2.9	0.05	0.0000041	0.001	0.00068	2.2	0.00022	0.000024	0.0000056	0.00019	0.00043	0.0011	0.0019	0.0011	0.0009
35	November	0.000048	2.9	0.051	0.0000041	0.001	0.00069	2.2	0.00022	0.000024	0.0000057	0.00019	0.00043	0.0011	0.0019	0.0011	0.00088
35	December	0.000048	2.9	0.05	0.0000041	0.001	0.00068	2.2	0.00022	0.000024	0.0000056	0.00019	0.00043	0.0011	0.0019	0.0011	0.00087
36	January	0.000048	2.9	0.05	0.0000041	0.001	0.00069	2.2	0.00022	0.000024	0.0000057	0.00019	0.00043	0.0011	0.0019	0.0011	0.00087
36	February	0.000048	2.9	0.051	0.0000041	0.001	0.00069	2.3	0.00022	0.000024	0.0000057	0.00019	0.00043	0.0011	0.0019	0.0011	0.00088
36	March	0.000048	2.9	0.051	0.0000041	0.001	0.00069	2.3	0.00022	0.000024	0.0000057	0.00019	0.00044	0.0011	0.0019	0.0011	0.00088
36	April	0.000048	2.9	0.051	0.0000042	0.001	0.00069	2.3	0.00023	0.000025	0.0000057	0.0002	0.00045	0.0011	0.0019	0.0011	0.00087
36	May	0.000048	2.9	0.051	0.0000043	0.0011	0.0007	2.4	0.00024	0.000025	0.0000058	0.0002	0.00046	0.0012	0.002	0.0011	0.00081
36	June	0.000048	2.9	0.052	0.0000045	0.0011	0.00071	2.5	0.00025	0.000026	0.000006	0.00021	0.00049	0.0012	0.002	0.0012	0.00075
36	July	0.000048	2.9	0.052	0.0000047	0.0012	0.00072	2.6	0.00026	0.000027	0.0000061	0.00022	0.00051	0.0012	0.0021	0.0012	0.00073
36	August	0.000047	2.8	0.053	0.0000048	0.0012	0.00073	2.6	0.00027	0.000028	0.0000062	0.00023	0.00052	0.0013	0.0021	0.0012	0.00072
36	September	0.000047	2.8	0.053	0.0000049	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00024	0.00054	0.0013	0.0021	0.0012	0.00071
36	October	0.000047	2.8	0.053	0.0000049	0.0012	0.00075	2.7	0.00028	0.000029	0.0000064	0.00024	0.00054	0.0013	0.0021	0.0013	0.00069
36	November	0.000047	2.8	0.053	0.0000049	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00024	0.00054	0.0013	0.0021	0.0012	0.00068
36	December	0.000047	2.8	0.053	0.0000048	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00023	0.00053	0.0013	0.0021	0.0012	0.00068

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000047	2.8	0.053	0.0000048	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00023	0.00053	0.0013	0.0021	0.0012	0.00068
37	February	0.000047	2.8	0.053	0.0000049	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00023	0.00054	0.0013	0.0021	0.0012	0.00069
37	March	0.000047	2.8	0.053	0.0000049	0.0012	0.00074	2.7	0.00028	0.000028	0.0000063	0.00024	0.00054	0.0013	0.0021	0.0012	0.0007
37	April	0.000047	2.8	0.053	0.0000049	0.0012	0.00074	2.7	0.00028	0.000029	0.0000063	0.00024	0.00054	0.0013	0.0021	0.0013	0.00069
37	May	0.000047	2.8	0.053	0.000005	0.0012	0.00074	2.7	0.00028	0.000029	0.0000064	0.00024	0.00055	0.0013	0.0021	0.0013	0.00066
37	June	0.000047	2.8	0.053	0.000005	0.0012	0.00075	2.8	0.00029	0.000029	0.0000064	0.00024	0.00056	0.0013	0.0021	0.0013	0.00062
37	July	0.000047	2.8	0.054	0.0000052	0.0013	0.00076	2.8	0.0003	0.00003	0.0000065	0.00025	0.00057	0.0014	0.0022	0.0013	0.00061
37	August	0.000047	2.8	0.054	0.0000052	0.0013	0.00076	2.9	0.0003	0.00003	0.0000066	0.00026	0.00058	0.0014	0.0022	0.0013	0.00061
37	September	0.000047	2.8	0.055	0.0000053	0.0013	0.00077	2.9	0.00031	0.000031	0.0000067	0.00026	0.00059	0.0014	0.0022	0.0013	0.0006
37	October	0.000047	2.8	0.055	0.0000053	0.0013	0.00077	2.9	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00059
37	November	0.000047	2.8	0.054	0.0000053	0.0013	0.00077	2.9	0.00031	0.00003	0.0000066	0.00026	0.00059	0.0014	0.0022	0.0013	0.00059
37	December	0.000047	2.8	0.054	0.0000052	0.0013	0.00077	2.9	0.0003	0.00003	0.0000066	0.00025	0.00058	0.0014	0.0022	0.0013	0.00059
38	January	0.000047	2.8	0.054	0.0000052	0.0013	0.00076	2.9	0.0003	0.00003	0.0000066	0.00025	0.00058	0.0014	0.0022	0.0013	0.0006
38	February	0.000047	2.8	0.054	0.0000052	0.0013	0.00077	2.9	0.0003	0.00003	0.0000066	0.00025	0.00058	0.0014	0.0022	0.0013	0.00061
38	March	0.000047	2.8	0.054	0.0000052	0.0013	0.00077	2.9	0.0003	0.00003	0.0000066	0.00025	0.00058	0.0014	0.0022	0.0013	0.00061
38	April	0.000047	2.8	0.054	0.0000052	0.0013	0.00077	2.9	0.0003	0.00003	0.0000066	0.00026	0.00058	0.0014	0.0022	0.0013	0.00061
38	May	0.000047	2.8	0.054	0.0000052	0.0013	0.00076	2.9	0.0003	0.00003	0.0000066	0.00025	0.00058	0.0014	0.0022	0.0013	0.00059
38	June	0.000047	2.8	0.054	0.0000053	0.0013	0.00076	2.9	0.0003	0.000031	0.0000066	0.00026	0.00059	0.0014	0.0022	0.0013	0.00057
38	July	0.000047	2.8	0.055	0.0000054	0.0013	0.00077	3.0	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00056
38	August	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00056
38	September	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00056
38	October	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
38	November	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00055
38	December	0.000047	2.8	0.055	0.0000053	0.0013	0.00078	2.9	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00055
39	January	0.000047	2.8	0.055	0.0000053	0.0013	0.00078	2.9	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00056
39	February	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00057
39	March	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00058
39	April	0.000046	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00058
39	May	0.000047	2.8	0.055	0.0000054	0.0013	0.00077	2.9	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00056
39	June	0.000047	2.8	0.055	0.0000054	0.0013	0.00077	3.0	0.00031	0.000031	0.0000067	0.00026	0.0006	0.0014	0.0022	0.0013	0.00054
39	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00054
39	August	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
39	September	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00053
39	October	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00053
39	November	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
39	December	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00026	0.00061	0.0014	0.0022	0.0013	0.00053
40	January	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00026	0.00061	0.0014	0.0022	0.0013	0.00054
40	February	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00055
40	March	0.000046	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00056
40	April	0.000046	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00056
40	May	0.000047	2.8	0.055	0.0000054	0.0013	0.00077	3.0	0.00032	0.000031	0.0000067	0.00026	0.00061	0.0014	0.0022	0.0013	0.00054
40	June	0.000047	2.8	0.055	0.0000054	0.0013	0.00077	3.0	0.00032	0.000031	0.0000067	0.00026	0.00061	0.0014	0.0022	0.0013	0.00053
40	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
40	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00053
40	September	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00064	0.0015	0.0023	0.0014	0.00053
40	October	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
40	November	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
40	December	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00053
41	January	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00053
41	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0014	0.0022	0.0013	0.00054
41	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0014	0.0022	0.0014	0.00055
41	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0014	0.0022	0.0014	0.00055
41	May	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00054
41	June	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
41	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
41	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000033	0.0000069	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
41	October	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
41	November	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00033	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
41	December	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00052
42	January	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0013	0.00053
42	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
42	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
42	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
42	May	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
42	June	0.000047	2.8	0.055	0.0000054	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
42	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
42	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
42	September	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
42	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000032	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
42	November	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00052
42	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
43	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0014	0.0022	0.0014	0.00053
43	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
43	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
43	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
43	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
43	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
43	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
43	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
43	September	0.000047	2.8	0.056	0.0000056	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
43	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
43	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00052
43	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
44	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
44	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
44	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
44	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
44	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
44	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
44	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
44	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
44	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
44	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
44	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
44	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
45	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
45	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
45	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
45	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
45	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
45	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
45	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
45	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
45	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
45	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
45	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
45	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
46	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
46	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
46	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
46	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
46	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
46	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
46	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
46	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
46	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
46	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
46	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
47	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
47	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
47	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
47	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
47	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
47	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
47	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
47	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
47	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
47	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
47	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
47	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
48	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
48	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
48	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
48	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
48	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
48	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
48	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
48	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
48	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
48	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
48	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
48	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
49	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
49	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
49	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
49	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
49	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
49	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
49	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
49	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
49	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
49	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
49	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
49	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
50	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
50	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
50	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
50	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
50	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
50	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
50	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
50	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
50	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
50	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
50	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
50	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
51	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
51	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
51	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
51	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
51	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
51	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
51	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
51	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
51	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
51	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
51	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
52	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
52	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
52	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
52	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
52	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
52	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
52	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
52	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
52	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
52	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
52	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
52	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
53	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
53	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
53	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
53	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
53	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
53	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
53	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
53	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
53	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
53	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
53	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
53	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
54	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
54	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
54	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
54	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
54	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
54	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
54	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
54	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
54	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
54	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
54	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
54	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
55	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
55	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
55	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
55	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
55	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
55	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
55	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
55	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
55	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
55	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
55	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
56	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
56	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
56	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
56	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
56	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
56	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
56	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
56	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
56	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
56	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
56	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
56	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
57	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
57	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
57	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
57	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
57	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
57	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
57	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
57	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
57	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
57	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
57	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
57	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
58	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
58	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
58	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
58	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
58	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
58	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
58	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
58	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
58	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
58	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
58	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
58	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
59	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
59	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
59	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
59	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
59	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
59	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
59	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
59	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
59	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
59	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
59	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
59	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
60	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
60	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
60	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
60	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
60	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
60	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
60	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
60	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
60	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
60	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
60	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
61	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
61	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
61	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
61	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
61	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
61	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
61	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
61	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
61	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
61	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
61	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
61	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
62	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
62	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
62	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
62	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
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62	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
62	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
62	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
62	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
62	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
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63	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
63	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
63	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
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63	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
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63	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
63	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
63	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
63	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
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64	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
64	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
64	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
64	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
64	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
64	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
64	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
64	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
64	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
65	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
65	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
65	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
65	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
65	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
65	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
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65	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
65	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
65	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
65	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
66	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
66	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
66	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
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66	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
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68	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
68	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
68	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
68	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
68	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
68	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
68	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
68	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
68	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
68	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
68	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
68	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
69	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
69	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
69	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
69	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
69	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
69	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
69	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
69	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052

Table G-17: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-4)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
69	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
69	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
69	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052
70	January	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00053
70	February	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00054
70	March	0.000046	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
70	April	0.000046	2.8	0.055	0.0000055	0.0014	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00055
70	May	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00053
70	June	0.000047	2.8	0.055	0.0000055	0.0013	0.00078	3.0	0.00032	0.000032	0.0000068	0.00027	0.00061	0.0014	0.0022	0.0014	0.00052
70	July	0.000047	2.8	0.055	0.0000055	0.0014	0.00078	3.1	0.00032	0.000032	0.0000069	0.00027	0.00062	0.0015	0.0023	0.0014	0.00052
70	August	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00028	0.00063	0.0015	0.0023	0.0014	0.00052
70	September	0.000047	2.8	0.056	0.0000057	0.0014	0.00079	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
70	October	0.000047	2.8	0.056	0.0000056	0.0014	0.0008	3.1	0.00033	0.000033	0.000007	0.00028	0.00064	0.0015	0.0023	0.0014	0.00052
70	November	0.000047	2.8	0.055	0.0000056	0.0014	0.00079	3.1	0.00033	0.000032	0.0000069	0.00027	0.00063	0.0015	0.0023	0.0014	0.00051
70	December	0.000047	2.8	0.055	0.0000055	0.0014	0.00079	3.0	0.00032	0.000031	0.0000068	0.00027	0.00062	0.0015	0.0022	0.0014	0.00052

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	0.25	0.017	0.0092	0.0005	0.022	0.64	0.00057	0.032	0.00005	0.002	0.00001	0.005	0.0000033	10	0.00027	0.00007	0.00037	0.21
-6	February	0.25	0.017	0.0093	0.0005	0.021	0.64	0.00056	0.03	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00027	0.000067	0.00035	0.21
-6	March	0.25	0.017	0.0094	0.0005	0.021	0.64	0.00055	0.027	0.00005	0.002	0.00001	0.005	0.0000031	10	0.00026	0.000064	0.00034	0.2
-6	April	0.25	0.017	0.0095	0.0005	0.020	0.64	0.00055	0.026	0.00005	0.002	0.00001	0.005	0.000003	10	0.00026	0.000063	0.00033	0.2
-6	May	0.25	0.017	0.0095	0.0005	0.020	0.64	0.00054	0.025	0.00005	0.002	0.00001	0.005	0.000003	10	0.00026	0.000062	0.00032	0.2
-6	June	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00054	0.023	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00026	0.00006	0.00031	0.19
-6	July	0.25	0.018	0.0097	0.0005	0.019	0.64	0.00053	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000058	0.0003	0.18
-6	August	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-6	September	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-6	October	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-6	November	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00053	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.0003	0.18
-6	December	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-5	January	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-5	February	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-5	March	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-5	April	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-5	May	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00053	0.021	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000058	0.0003	0.18
-5	June	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00053	0.021	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00026	0.000058	0.0003	0.19
-5	July	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-5	August	0.25	0.018	0.0097	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000056	0.00028	0.18
-5	September	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000056	0.00028	0.18
-5	October	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-5	November	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-5	December	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-4	January	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-4	February	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-4	March	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-4	April	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000055	0.00028	0.18
-4	May	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00053	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000058	0.0003	0.18
-4	June	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.021	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00026	0.000058	0.0003	0.19
-4	July	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-4	August	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000056	0.00028	0.18
-4	September	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000027	10	0.00025	0.000056	0.00028	0.18
-4	October	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-4	November	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-4	December	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00026	0.000057	0.00029	0.18
-3	January	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.019	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000056	0.00029	0.18
-3	February	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000055	0.00028	0.18
-3	March	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.018	0.00005	0.002	0.00001	0.005	0.0000028	10	0.00025	0.000055	0.00028	0.18
-3	April	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.02	0.00005	0.002	0.00001	0.005	0.0000029	10	0.00025	0.000056	0.00029	0.18
-3	May	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.023	0.00005	0.002	0.00001	0.005	0.0000032	10	0.00026	0.000059	0.0003	0.19
-3	June	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.025	0.00005	0.002	0.00001	0.005	0.0000034	10	0.00026	0.00006	0.00031	0.19
-3	July	0.25	0.018	0.0096	0.0005	0.019	0.64	0.00052	0.025	0.00005	0.002	0.00001	0.005	0.0000036	10	0.00026	0.000059	0.00031	0.19
-3	August	0.25	0.018	0.0096	0.0005	0.018	0.64	0.00052	0.025	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000058	0.0003	0.18
-3	September	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.026	0.00005	0.002	0.00001	0.005	0.0000037	10	0.00026	0.000058	0.0003	0.18
-3	October	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.027	0.00005	0.002	0.00001	0.005	0.0000038	10	0.00026	0.000059	0.00031	0.19
-3	November	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00053	0.028	0.00005	0.002	0.00001	0.005	0.0000039	10	0.00026	0.00006	0.00032	0.19
-3	December	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00052	0.029	0.00005	0.002	0.00001	0.005	0.000004	10	0.00026	0.00006	0.00032	0.19
-2	January	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.029	0.00005	0.002	0.00001	0.005	0.0000042	10	0.00026	0.00006	0.00031	0.19
-2	February	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.029	0.00005	0.002	0.00001	0.005	0.0000043	10	0.00026	0.000059	0.00031	0.19
-2	March	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.03	0.000051	0.0021	0.00001	0.005	0.0000044	10	0.00026	0.000059	0.00031	0.19
-2	April	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.031	0.000051	0.0021	0.00001	0.005	0.0000045	10	0.00027	0.00006	0.00032	0.19
-2	May	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.033	0.000051	0.0021	0.00001	0.005	0.0000046	10	0.00027	0.000062	0.00033	0.19
-2	June	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.036	0.000051	0.0021	0.00001	0.005	0.0000048	10	0.00027	0.000064	0.00034	0.2
-2	July	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00052	0.036	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00027	0.000063	0.00034	0.19
-2	August	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.036	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000062	0.00033	0.19

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.036	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000062	0.00033	0.19
-2	October	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00052	0.037	0.000051	0.0021	0.00001	0.005	0.0000051	10	0.00027	0.000063	0.00034	0.19
-2	November	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00053	0.037	0.000051	0.0021	0.00001	0.005	0.0000052	10	0.00027	0.000063	0.00034	0.2
-2	December	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00052	0.038	0.000051	0.0021	0.00001	0.005	0.0000053	10	0.00027	0.000064	0.00034	0.2
-1	January	0.25	0.018	0.0094	0.0005	0.018	0.64	0.00052	0.039	0.000051	0.0021	0.00001	0.005	0.0000055	10	0.00027	0.000063	0.00034	0.19
-1	February	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.039	0.000051	0.0021	0.00001	0.005	0.0000056	10	0.00027	0.000063	0.00034	0.19
-1	March	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.04	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000063	0.00034	0.19
-1	April	0.25	0.018	0.0095	0.0005	0.018	0.64	0.00052	0.04	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00027	0.000063	0.00034	0.19
-1	May	0.25	0.018	0.0095	0.0005	0.019	0.64	0.00053	0.041	0.000051	0.0021	0.00001	0.005	0.0000057	10	0.00028	0.000065	0.00035	0.2
-1	June	0.25	0.018	0.0094	0.0005	0.019	0.64	0.00053	0.043	0.000051	0.0021	0.00001	0.005	0.0000059	10	0.00028	0.000066	0.00036	0.2
-1	July	0.25	0.018	0.0095	0.00051	0.019	0.64	0.00052	0.044	0.000051	0.0021	0.00001	0.005	0.0000061	10	0.00028	0.000066	0.00036	0.2
-1	August	0.25	0.018	0.0096	0.00054	0.018	0.66	0.00052	0.044	0.000052	0.0022	0.00001	0.005	0.0000062	10	0.00028	0.000066	0.00035	0.2
-1	September	0.25	0.019	0.0096	0.0006	0.018	0.70	0.00052	0.044	0.000053	0.0022	0.00001	0.005	0.0000062	10	0.00028	0.000066	0.00035	0.2
-1	October	0.25	0.02	0.0097	0.00068	0.019	0.74	0.00053	0.044	0.000054	0.0021	0.00001	0.005	0.0000061	10	0.00028	0.000068	0.00036	0.2
-1	November	0.25	0.021	0.0098	0.00078	0.019	0.80	0.00054	0.044	0.000056	0.0021	0.00001	0.005	0.0000061	10	0.00028	0.00007	0.00036	0.2
-1	December	0.25	0.022	0.0099	0.00086	0.019	0.85	0.00054	0.045	0.000057	0.0022	0.00001	0.005	0.0000062	10	0.00028	0.000072	0.00036	0.2
1	January	0.26	0.023	0.01	0.00092	0.019	0.88	0.00054	0.045	0.000058	0.0022	0.00001	0.005	0.0000064	10	0.00028	0.000072	0.00036	0.2
1	February	0.26	0.024	0.01	0.001	0.018	0.92	0.00054	0.046	0.00006	0.0022	0.00001	0.005	0.0000066	10	0.00028	0.000073	0.00036	0.2
1	March	0.26	0.025	0.01	0.0011	0.018	0.98	0.00054	0.047	0.000062	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000075	0.00036	0.2
1	April	0.26	0.026	0.01	0.0011	0.018	1	0.00055	0.047	0.000062	0.0022	0.00001	0.005	0.0000066	10	0.00028	0.000076	0.00036	0.2
1	May	0.26	0.026	0.01	0.0012	0.019	1	0.00056	0.047	0.000063	0.0022	0.00001	0.005	0.0000064	10	0.00028	0.000078	0.00037	0.2
1	June	0.26	0.029	0.011	0.0014	0.019	1.2	0.00057	0.048	0.000067	0.0022	0.00001	0.005	0.0000065	10	0.00028	0.000082	0.00038	0.21
1	July	0.26	0.03	0.011	0.0015	0.019	1.2	0.00057	0.049	0.000069	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000083	0.00037	0.2
1	August	0.26	0.031	0.011	0.0016	0.019	1.3	0.00057	0.049	0.00007	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000084	0.00037	0.2
1	September	0.27	0.033	0.011	0.0017	0.019	1.3	0.00058	0.048	0.000073	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000086	0.00037	0.2
1	October	0.27	0.035	0.012	0.0019	0.019	1.4	0.00059	0.047	0.000076	0.0022	0.00001	0.005	0.0000066	10	0.00028	0.000089	0.00037	0.2
1	November	0.27	0.037	0.012	0.0021	0.019	1.6	0.0006	0.047	0.000079	0.0022	0.00001	0.005	0.0000066	10	0.00028	0.000093	0.00037	0.2
1	December	0.27	0.039	0.012	0.0022	0.019	1.6	0.00061	0.048	0.000081	0.0022	0.00001	0.005	0.0000067	10	0.00028	0.000095	0.00037	0.2
2	January	0.27	0.04	0.012	0.0023	0.019	1.7	0.0006	0.049	0.000082	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.000095	0.00037	0.2
2	February	0.27	0.041	0.012	0.0024	0.019	1.7	0.00061	0.05	0.000084	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000097	0.00037	0.2
2	March	0.27	0.043	0.013	0.0025	0.019	1.8	0.00061	0.05	0.000087	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.000099	0.00037	0.2
2	April	0.27	0.042	0.013	0.0025	0.019	1.8	0.00061	0.05	0.000086	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.000098	0.00037	0.2
2	May	0.27	0.04	0.012	0.0023	0.019	1.7	0.00061	0.05	0.000083	0.0022	0.00001	0.005	0.0000068	10	0.00028	0.000097	0.00038	0.21
2	June	0.27	0.043	0.013	0.0025	0.020	1.8	0.00062	0.051	0.000087	0.0022	0.00001	0.005	0.0000069	10	0.00028	0.0001	0.00038	0.21
2	July	0.28	0.044	0.013	0.0026	0.019	1.9	0.00062	0.051	0.000089	0.0022	0.00001	0.005	0.0000072	10	0.00029	0.0001	0.00038	0.21
2	August	0.28	0.045	0.013	0.0027	0.019	1.9	0.00062	0.051	0.000089	0.0022	0.00001	0.005	0.0000072	10	0.00028	0.0001	0.00038	0.2
2	September	0.28	0.048	0.013	0.0029	0.019	2	0.00063	0.05	0.000094	0.0022	0.00001	0.005	0.0000071	10	0.00028	0.00011	0.00037	0.2
2	October	0.28	0.051	0.014	0.0031	0.019	2.2	0.00065	0.05	0.000098	0.0022	0.00001	0.0051	0.000007	10	0.00028	0.00011	0.00038	0.2
2	November	0.28	0.054	0.014	0.0034	0.020	2.3	0.00066	0.05	0.0001	0.0022	0.00001	0.0051	0.0000069	10	0.00028	0.00011	0.00038	0.21
2	December	0.29	0.056	0.014	0.0036	0.019	2.4	0.00067	0.05	0.00011	0.0022	0.00001	0.0051	0.000007	10	0.00028	0.00012	0.00038	0.2
3	January	0.29	0.057	0.014	0.0036	0.019	2.4	0.00067	0.051	0.00011	0.0022	0.00001	0.0051	0.0000072	10	0.00029	0.00012	0.00038	0.2
3	February	0.29	0.058	0.015	0.0038	0.019	2.5	0.00067	0.052	0.00011	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00012	0.00038	0.2
3	March	0.29	0.061	0.015	0.004	0.019	2.6	0.00068	0.053	0.00011	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00012	0.00038	0.2
3	April	0.29	0.059	0.015	0.0038	0.019	2.5	0.00067	0.052	0.00011	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00012	0.00038	0.2
3	May	0.29	0.054	0.014	0.0034	0.020	2.3	0.00067	0.051	0.0001	0.0022	0.00001	0.0051	0.0000071	10	0.00029	0.00012	0.00038	0.21
3	June	0.29	0.057	0.014	0.0037	0.020	2.5	0.00068	0.052	0.00011	0.0022	0.00001	0.0051	0.0000072	10	0.00029	0.00012	0.00039	0.21
3	July	0.29	0.058	0.015	0.0038	0.020	2.5	0.00068	0.053	0.00011	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00012	0.00039	0.21
3	August	0.29	0.058	0.015	0.0038	0.019	2.5	0.00067	0.053	0.00011	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00012	0.00038	0.21
3	September	0.29	0.062	0.015	0.0041	0.019	2.7	0.00069	0.052	0.00011	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00013	0.00038	0.2
3	October	0.30	0.066	0.015	0.0044	0.020	2.9	0.00071	0.052	0.00012	0.0022	0.00001	0.0051	0.0000072	10	0.00029	0.00013	0.00038	0.21
3	November	0.30	0.07	0.016	0.0048	0.020	3.1	0.00073	0.051	0.00013	0.0022	0.00001	0.0051	0.0000071	10	0.00029	0.00014	0.00039	0.21
3	December	0.30	0.073	0.016	0.005	0.020	3.2	0.00074	0.052	0.00013	0.0022	0.00001	0.0051	0.0000072	10	0.00029	0.00014	0.00039	0.21
4	January	0.30	0.073	0.016	0.005	0.020	3.2	0.00073	0.053	0.00013	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00014	0.00039	0.21
4	February	0.31	0.076	0.017	0.0052	0.019	3.3	0.00074	0.054	0.00013	0.0022	0.00001	0.0051	0.0000077	10	0.00029	0.00014	0.00039	0.2
4	March	0.31	0.078	0.017	0.0054	0.019	3.5	0.00075	0.054	0.00014	0.0023	0.00001	0.0051	0.0000078	10	0.00029	0.00015	0.00039	0.2
4	April	0.31	0.075	0.017	0.0051	0.019	3.3	0.00074	0.054	0.00013	0.0022	0.00001	0.0051	0.0000077	10	0.00029	0.00014	0.00039	0.2

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	0.30	0.068	0.016	0.0046	0.020	3	0.00072	0.053	0.00012	0.0022	0.00001	0.0051	0.0000073	10	0.00029	0.00013	0.00039	0.21
4	June	0.30	0.071	0.016	0.0048	0.020	3.1	0.00073	0.054	0.00013	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00014	0.0004	0.21
4	July	0.30	0.072	0.016	0.0049	0.020	3.2	0.00073	0.055	0.00013	0.0022	0.00001	0.0051	0.0000077	10	0.00029	0.00014	0.00039	0.21
4	August	0.30	0.072	0.016	0.0049	0.020	3.1	0.00073	0.055	0.00013	0.0023	0.00001	0.0051	0.0000077	10	0.00029	0.00014	0.00039	0.21
4	September	0.31	0.077	0.017	0.0052	0.020	3.4	0.00074	0.054	0.00014	0.0022	0.00001	0.0051	0.0000076	10	0.00029	0.00014	0.00039	0.21
4	October	0.31	0.081	0.017	0.0056	0.020	3.6	0.00077	0.053	0.00014	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00015	0.00039	0.21
4	November	0.32	0.087	0.018	0.0061	0.020	3.9	0.00079	0.053	0.00015	0.0022	0.00001	0.0051	0.0000073	10	0.00029	0.00016	0.00039	0.21
4	December	0.32	0.09	0.018	0.0063	0.020	4	0.0008	0.053	0.00015	0.0022	0.00001	0.0051	0.0000074	10	0.00029	0.00016	0.00039	0.21
5	January	0.32	0.09	0.019	0.0064	0.020	4	0.0008	0.054	0.00015	0.0023	0.00001	0.0051	0.0000077	10	0.00029	0.00016	0.00039	0.21
5	February	0.32	0.093	0.019	0.0066	0.020	4.1	0.0008	0.055	0.00016	0.0023	0.00001	0.0051	0.0000079	10	0.00029	0.00017	0.00039	0.21
5	March	0.32	0.096	0.019	0.0068	0.020	4.3	0.00082	0.056	0.00016	0.0023	0.00001	0.0051	0.000008	10	0.00029	0.00017	0.00039	0.21
5	April	0.32	0.092	0.019	0.0065	0.020	4.1	0.0008	0.055	0.00016	0.0023	0.00001	0.0051	0.0000078	10	0.00029	0.00016	0.00039	0.21
5	May	0.31	0.082	0.018	0.0057	0.020	3.6	0.00077	0.054	0.00014	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00015	0.0004	0.21
5	June	0.31	0.085	0.018	0.0059	0.020	3.8	0.00079	0.055	0.00015	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00016	0.0004	0.21
5	July	0.32	0.086	0.018	0.006	0.020	3.8	0.00079	0.056	0.00015	0.0023	0.00001	0.0051	0.0000078	10	0.00029	0.00016	0.0004	0.21
5	August	0.32	0.085	0.018	0.006	0.020	3.8	0.00078	0.056	0.00015	0.0023	0.00001	0.0051	0.0000079	10	0.00029	0.00016	0.00039	0.21
5	September	0.32	0.091	0.019	0.0064	0.020	4	0.0008	0.055	0.00016	0.0023	0.00001	0.0051	0.0000078	10	0.00029	0.00016	0.00039	0.21
5	October	0.33	0.097	0.019	0.0069	0.020	4.3	0.00083	0.054	0.00016	0.0022	0.00001	0.0051	0.0000076	10	0.00029	0.00017	0.00039	0.21
5	November	0.33	0.1	0.02	0.0074	0.021	4.6	0.00085	0.054	0.00017	0.0022	0.00001	0.0051	0.0000075	10	0.00029	0.00018	0.0004	0.21
5	December	0.33	0.11	0.021	0.0077	0.021	4.8	0.00087	0.054	0.00018	0.0023	0.00001	0.0051	0.0000076	10	0.00029	0.00018	0.0004	0.21
6	January	0.33	0.11	0.021	0.0077	0.020	4.8	0.00086	0.055	0.00018	0.0023	0.00001	0.0051	0.0000078	10	0.00029	0.00018	0.0004	0.21
6	February	0.34	0.11	0.021	0.0079	0.020	4.9	0.00087	0.056	0.00018	0.0023	0.00001	0.0051	0.000008	10	0.00029	0.00019	0.0004	0.21
6	March	0.34	0.11	0.022	0.0083	0.020	5.1	0.00088	0.057	0.00019	0.0023	0.00001	0.0051	0.0000082	10	0.00029	0.00019	0.0004	0.21
6	April	0.34	0.11	0.021	0.0078	0.020	4.8	0.00086	0.056	0.00018	0.0023	0.00001	0.0051	0.000008	10	0.00029	0.00019	0.0004	0.21
6	May	0.32	0.096	0.019	0.0068	0.021	4.3	0.00083	0.055	0.00016	0.0022	0.00001	0.0051	0.0000076	10	0.00029	0.00017	0.0004	0.21
6	June	0.33	0.099	0.02	0.0071	0.021	4.4	0.00084	0.056	0.00017	0.0023	0.00001	0.0051	0.0000077	10	0.00029	0.00018	0.0004	0.21
6	July	0.33	0.1	0.02	0.0072	0.020	4.5	0.00084	0.057	0.00017	0.0023	0.00001	0.0051	0.000008	10	0.00029	0.00018	0.0004	0.21
6	August	0.33	0.099	0.02	0.007	0.020	4.4	0.00083	0.057	0.00017	0.0023	0.00001	0.0051	0.000008	10	0.00029	0.00017	0.0004	0.21
6	September	0.33	0.11	0.021	0.0076	0.020	4.7	0.00086	0.056	0.00018	0.0023	0.00001	0.0051	0.0000079	10	0.00029	0.00018	0.0004	0.21
6	October	0.34	0.11	0.021	0.0081	0.021	5	0.00088	0.055	0.00019	0.0023	0.00001	0.0052	0.0000077	10	0.00029	0.00019	0.0004	0.21
6	November	0.35	0.12	0.022	0.0087	0.021	5.4	0.00092	0.054	0.0002	0.0023	0.00001	0.0052	0.0000076	10	0.00029	0.0002	0.0004	0.21
6	December	0.35	0.12	0.023	0.0091	0.021	5.6	0.00093	0.055	0.0002	0.0023	0.00001	0.0052	0.0000077	11	0.00029	0.00021	0.0004	0.21
7	January	0.35	0.12	0.023	0.0091	0.021	5.6	0.00093	0.056	0.0002	0.0023	0.00001	0.0052	0.000008	10	0.00029	0.00021	0.0004	0.21
7	February	0.35	0.13	0.023	0.0093	0.021	5.7	0.00094	0.057	0.00021	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00021	0.0004	0.21
7	March	0.36	0.13	0.024	0.0097	0.020	5.9	0.00095	0.058	0.00021	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00022	0.0004	0.21
7	April	0.35	0.12	0.023	0.0091	0.020	5.6	0.00093	0.057	0.0002	0.0023	0.00001	0.0052	0.0000081	10	0.00029	0.00021	0.0004	0.21
7	May	0.34	0.11	0.021	0.0079	0.021	4.9	0.00088	0.056	0.00018	0.0023	0.00001	0.0051	0.0000077	10	0.00029	0.00019	0.0004	0.21
7	June	0.34	0.11	0.021	0.0082	0.021	5.1	0.00089	0.057	0.00019	0.0023	0.00001	0.0052	0.0000078	10	0.00029	0.00019	0.00041	0.21
7	July	0.34	0.11	0.022	0.0083	0.021	5.1	0.00089	0.058	0.00019	0.0023	0.00001	0.0052	0.0000081	10	0.00029	0.0002	0.00041	0.21
7	August	0.34	0.11	0.021	0.0081	0.020	5	0.00088	0.058	0.00019	0.0023	0.00001	0.0052	0.0000082	10	0.00029	0.00019	0.0004	0.21
7	September	0.35	0.12	0.022	0.0088	0.021	5.4	0.00091	0.057	0.0002	0.0023	0.00001	0.0052	0.000008	10	0.00029	0.0002	0.0004	0.21
7	October	0.35	0.13	0.023	0.0094	0.021	5.7	0.00094	0.055	0.00021	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00021	0.0004	0.21
7	November	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.055	0.00022	0.0023	0.00001	0.0052	0.0000077	11	0.00029	0.00022	0.0004	0.21
7	December	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.056	0.00023	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00023	0.0004	0.21
8	January	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.057	0.00023	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00023	0.0004	0.21
8	February	0.37	0.14	0.025	0.011	0.021	6.5	0.001	0.058	0.00023	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00023	0.0004	0.21
8	March	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.059	0.00024	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00024	0.0004	0.21
8	April	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.058	0.00023	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00023	0.0004	0.21
8	May	0.35	0.12	0.023	0.0091	0.021	5.6	0.00093	0.056	0.0002	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00021	0.00041	0.21
8	June	0.35	0.13	0.023	0.0093	0.021	5.7	0.00095	0.057	0.00021	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00021	0.00041	0.21
8	July	0.36	0.13	0.023	0.0094	0.021	5.8	0.00095	0.058	0.00021	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00021	0.00041	0.21
8	August	0.35	0.13	0.023	0.0092	0.021	5.7	0.00093	0.058	0.00021	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00021	0.0004	0.21
8	September	0.36	0.13	0.024	0.0099	0.021	6.1	0.00097	0.057	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.0004	0.21
8	October	0.37	0.14	0.025	0.011	0.021	6.5	0.001	0.056	0.00023	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00023	0.0004	0.21
8	November	0.38	0.15	0.026	0.011	0.022	6.9	0.001	0.056	0.00024	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00024	0.00041	0.21
8	December	0.38	0.16	0.027	0.012	0.022	7.1	0.0011	0.056	0.00025	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00025	0.00041	0.21

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	0.38	0.16	0.027	0.012	0.021	7.1	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00025	0.00041	0.21
9	February	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00025	0.00041	0.21
9	March	0.39	0.17	0.028	0.012	0.021	7.5	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00026	0.00041	0.21
9	April	0.38	0.16	0.027	0.012	0.021	7.1	0.001	0.058	0.00025	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00025	0.00041	0.21
9	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.057	0.00022	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00022	0.00041	0.21
9	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00022	0.00041	0.21
9	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.059	0.00022	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00022	0.00041	0.21
9	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.059	0.00022	0.0023	0.000011	0.0052	0.0000083	11	0.00029	0.00022	0.00041	0.21
9	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.058	0.00023	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00023	0.0004	0.21
9	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.056	0.00024	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00024	0.00041	0.21
9	November	0.38	0.16	0.027	0.012	0.022	7.1	0.0011	0.056	0.00025	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00025	0.00041	0.21
9	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.057	0.00026	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00026	0.00041	0.21
10	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00025	0.00041	0.21
10	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00026	0.00041	0.21
10	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.059	0.00027	0.0023	0.00001	0.0052	0.0000086	11	0.00029	0.00026	0.00041	0.21
10	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.058	0.00025	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00025	0.00041	0.21
10	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.057	0.00022	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00022	0.00041	0.21
10	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00023	0.00041	0.21
10	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.059	0.00022	0.0023	0.00001	0.0052	0.0000083	11	0.0003	0.00022	0.00041	0.21
10	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.059	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00022	0.00041	0.21
10	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.058	0.00023	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00023	0.00041	0.21
10	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.057	0.00024	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00024	0.00041	0.21
10	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.056	0.00025	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00025	0.00041	0.21
10	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.057	0.00026	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00026	0.00041	0.21
11	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00025	0.00041	0.21
11	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00026	0.00041	0.21
11	March	0.39	0.17	0.028	0.013	0.021	7.7	0.0011	0.06	0.00027	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
11	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.059	0.00025	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00025	0.00041	0.21
11	May	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.057	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00022	0.00041	0.21
11	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00023	0.00041	0.21
11	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.059	0.00022	0.0023	0.000011	0.0052	0.0000083	11	0.0003	0.00022	0.00041	0.21
11	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.059	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00022	0.00041	0.21
11	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.058	0.00023	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00023	0.00041	0.21
11	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.057	0.00024	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00024	0.00041	0.21
11	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00025	0.00041	0.21
11	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.057	0.00026	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00026	0.00041	0.21
12	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00025	0.00041	0.21
12	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00026	0.00041	0.21
12	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.06	0.00027	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
12	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.059	0.00025	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00025	0.00041	0.21
12	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00022	0.00041	0.21
12	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00023	0.00042	0.21
12	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
12	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.059	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
12	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.058	0.00023	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00023	0.00041	0.21
12	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.057	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
12	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.0000079	11	0.00029	0.00025	0.00041	0.21
12	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.057	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
13	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00025	0.00041	0.21
13	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00026	0.00041	0.21
13	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.06	0.00027	0.0023	0.00001	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
13	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.059	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00025	0.00041	0.21
13	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00022	0.00041	0.21
13	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
13	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
13	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00023	0.00041	0.21
13	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.057	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
13	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
13	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
14	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00025	0.00041	0.21
14	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00026	0.00041	0.21
14	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.06	0.00027	0.0023	0.00001	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
14	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.059	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00025	0.00041	0.21
14	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00022	0.00041	0.21
14	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
14	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
14	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
14	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00023	0.00041	0.21
14	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.057	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
14	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
14	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
15	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000083	11	0.00029	0.00025	0.00041	0.21
15	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
15	March	0.39	0.17	0.028	0.013	0.021	7.7	0.0011	0.061	0.00027	0.0023	0.00001	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
15	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00025	0.00041	0.21
15	May	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
15	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
15	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
15	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
15	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
15	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
15	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
15	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
16	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00026	0.00041	0.21
16	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
16	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
16	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00025	0.00041	0.21
16	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
16	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
16	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
16	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
16	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
16	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
16	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
16	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
17	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
17	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
17	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
17	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.00029	0.00025	0.00041	0.21
17	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
17	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
17	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
17	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
17	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
17	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
17	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
17	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
18	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
18	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
18	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
18	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00025	0.00041	0.21

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
18	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
18	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
18	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
18	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
18	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
18	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
18	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
19	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
19	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
19	March	0.39	0.17	0.028	0.013	0.021	7.7	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000087	11	0.0003	0.00027	0.00041	0.21
19	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00025	0.00041	0.21
19	May	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
19	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
19	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
19	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
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19	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
19	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
19	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
20	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
20	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
20	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
20	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000085	11	0.0003	0.00025	0.00041	0.21
20	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
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20	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00041	0.21
20	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
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21	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
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22	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
22	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
22	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000088	11	0.0003	0.00026	0.00041	0.21
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22	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
22	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
22	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000084	11	0.0003	0.00022	0.00042	0.21
22	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
22	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
22	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00024	0.00041	0.21
22	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
22	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
23	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
23	March	0.39	0.17	0.028	0.013	0.021	7.7	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000088	11	0.0003	0.00027	0.00041	0.21
23	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00025	0.00041	0.21
23	May	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
23	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
23	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00042	0.21
23	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
23	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
23	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00024	0.00041	0.21
23	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
23	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00026	0.00041	0.21
24	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
24	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
24	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000088	11	0.0003	0.00026	0.00041	0.21
24	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00025	0.00041	0.21
24	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
24	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
24	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00042	0.21
24	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
24	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
24	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00024	0.00041	0.21
24	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
24	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00026	0.00041	0.21
25	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
25	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
25	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000088	11	0.0003	0.00026	0.00041	0.21
25	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00025	0.00041	0.21
25	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
25	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
25	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00042	0.21
25	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
25	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
25	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00024	0.00041	0.21
25	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
25	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00026	0.00041	0.21
26	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
26	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
26	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.061	0.00027	0.0023	0.000011	0.0052	0.0000088	11	0.0003	0.00026	0.00041	0.21
26	April	0.38	0.16	0.027	0.012	0.021	7.2	0.0011	0.06	0.00025	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00025	0.00041	0.21
26	May	0.36	0.14	0.024	0.01	0.021	6.1	0.00098	0.058	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.00029	0.00022	0.00041	0.21
26	June	0.36	0.14	0.024	0.01	0.022	6.2	0.00099	0.059	0.00022	0.0023	0.00001	0.0052	0.0000081	11	0.0003	0.00023	0.00042	0.21
26	July	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00042	0.21
26	August	0.36	0.13	0.024	0.0098	0.021	6	0.00096	0.06	0.00022	0.0023	0.000011	0.0052	0.0000085	11	0.0003	0.00022	0.00041	0.21
26	September	0.37	0.14	0.025	0.01	0.021	6.4	0.00099	0.059	0.00023	0.0023	0.000011	0.0052	0.0000084	11	0.00029	0.00023	0.00041	0.21
26	October	0.37	0.15	0.026	0.011	0.021	6.7	0.001	0.058	0.00024	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00024	0.00041	0.21
26	November	0.38	0.16	0.027	0.012	0.022	7.2	0.0011	0.057	0.00025	0.0023	0.00001	0.0052	0.000008	11	0.00029	0.00025	0.00041	0.21
26	December	0.39	0.16	0.028	0.012	0.022	7.3	0.0011	0.058	0.00026	0.0023	0.00001	0.0052	0.0000082	11	0.00029	0.00026	0.00041	0.21
27	January	0.39	0.16	0.027	0.012	0.021	7.3	0.0011	0.059	0.00026	0.0023	0.00001	0.0052	0.0000084	11	0.0003	0.00026	0.00041	0.21
27	February	0.39	0.16	0.028	0.012	0.021	7.4	0.0011	0.06	0.00026	0.0023	0.00001	0.0052	0.0000086	11	0.0003	0.00026	0.00041	0.21
27	March	0.39	0.17	0.028	0.013	0.021	7.6	0.0011	0.06	0.00027	0.0023	0.00001	0.0052	0.0000087	11	0.0003	0.00026	0.00041	0.21
27	April	0.38	0.16	0.027	0.012	0.021	7.1	0.001	0.059	0.00025	0.0023	0.00001	0.0052	0.0000084	11	0.00029	0.00025	0.00041	0.21
27	May	0.36	0.13	0.024	0.0099	0.021	6	0.00097	0.056	0.00022	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00022	0.00041	0.21
27	June	0.36	0.13	0.024	0.0097	0.021	6	0.00097	0.055	0.00021	0.0023	0.00001	0.0052	0.0000076	11	0.00029	0.00022	0.00041	0.21
27	July	0.36	0.13	0.024	0.0096	0.021	5.9	0.00095	0.055	0.00021	0.0023	0.00001	0.0052	0.0000078	11	0.00029	0.00021	0.0004	0.21
27	August	0.35	0.13	0.023	0.0092	0.021	5.7	0.00093	0.054	0.00021	0.0023	0.00001	0.0052	0.0000077	11	0.00029	0.00021	0.00039	0.21

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	0.36	0.13	0.024	0.0097	0.021	5.9	0.00096	0.053	0.00021	0.0023	0.00001	0.0052	0.0000075	11	0.00029	0.00022	0.00039	0.2
27	October	0.36	0.14	0.024	0.01	0.021	6.2	0.00098	0.051	0.00022	0.0022	0.00001	0.0052	0.0000073	11	0.00029	0.00022	0.00039	0.2
27	November	0.37	0.14	0.025	0.011	0.021	6.5	0.001	0.051	0.00023	0.0022	0.00001	0.0052	0.0000071	11	0.00029	0.00023	0.00039	0.21
27	December	0.37	0.15	0.026	0.011	0.021	6.6	0.001	0.05	0.00024	0.0022	0.00001	0.0052	0.0000071	11	0.00029	0.00023	0.00039	0.2
28	January	0.37	0.15	0.025	0.011	0.021	6.6	0.001	0.051	0.00023	0.0022	0.00001	0.0052	0.0000072	11	0.00029	0.00023	0.00039	0.2
28	February	0.37	0.15	0.026	0.011	0.021	6.6	0.001	0.051	0.00024	0.0022	0.00001	0.0052	0.0000073	11	0.00029	0.00023	0.00039	0.2
28	March	0.38	0.15	0.026	0.011	0.021	6.8	0.001	0.051	0.00024	0.0022	0.00001	0.0052	0.0000073	11	0.00029	0.00024	0.00038	0.2
28	April	0.37	0.14	0.025	0.01	0.021	6.3	0.00098	0.049	0.00022	0.0022	0.00001	0.0052	0.0000071	11	0.00028	0.00022	0.00038	0.2
28	May	0.35	0.12	0.022	0.0086	0.021	5.3	0.00091	0.048	0.00019	0.0022	0.00001	0.0052	0.0000066	10	0.00028	0.0002	0.00038	0.2
28	June	0.34	0.12	0.022	0.0084	0.021	5.2	0.00091	0.047	0.00019	0.0022	0.00001	0.0052	0.0000065	10	0.00028	0.00019	0.00038	0.2
28	July	0.34	0.11	0.022	0.0083	0.021	5.1	0.00089	0.046	0.00019	0.0022	0.00001	0.0052	0.0000065	10	0.00028	0.00019	0.00037	0.2
28	August	0.34	0.11	0.021	0.0079	0.020	4.9	0.00087	0.045	0.00018	0.0022	0.00001	0.0051	0.0000065	10	0.00028	0.00018	0.00037	0.2
28	September	0.34	0.11	0.022	0.0083	0.020	5.2	0.00089	0.044	0.00019	0.0022	0.00001	0.0052	0.0000063	10	0.00028	0.00019	0.00037	0.2
28	October	0.35	0.12	0.022	0.0087	0.021	5.4	0.00091	0.043	0.0002	0.0022	0.00001	0.0052	0.0000062	10	0.00028	0.0002	0.00037	0.2
28	November	0.35	0.13	0.023	0.0092	0.021	5.6	0.00094	0.043	0.0002	0.0022	0.00001	0.0052	0.000006	11	0.00028	0.0002	0.00037	0.2
28	December	0.35	0.13	0.023	0.0093	0.021	5.7	0.00094	0.043	0.00021	0.0022	0.00001	0.0052	0.000006	11	0.00028	0.00021	0.00037	0.2
29	January	0.35	0.13	0.023	0.0092	0.021	5.6	0.00093	0.043	0.0002	0.0022	0.00001	0.0052	0.0000061	10	0.00028	0.0002	0.00036	0.2
29	February	0.35	0.13	0.023	0.0093	0.020	5.7	0.00094	0.043	0.00021	0.0022	0.00001	0.0052	0.0000062	10	0.00028	0.0002	0.00036	0.2
29	March	0.36	0.13	0.023	0.0095	0.020	5.8	0.00094	0.042	0.00021	0.0022	0.00001	0.0052	0.0000062	10	0.00028	0.00021	0.00036	0.19
29	April	0.35	0.12	0.022	0.0088	0.020	5.4	0.00091	0.042	0.0002	0.0022	0.00001	0.0052	0.000006	10	0.00028	0.0002	0.00036	0.19
29	May	0.33	0.1	0.02	0.0073	0.021	4.6	0.00085	0.041	0.00017	0.0021	0.00001	0.0051	0.0000057	10	0.00028	0.00017	0.00036	0.2
29	June	0.33	0.1	0.02	0.0071	0.021	4.5	0.00084	0.04	0.00017	0.0021	0.00001	0.0051	0.0000056	10	0.00028	0.00017	0.00036	0.2
29	July	0.33	0.098	0.02	0.007	0.020	4.4	0.00083	0.04	0.00016	0.0021	0.00001	0.0051	0.0000056	10	0.00028	0.00017	0.00036	0.2
29	August	0.32	0.094	0.019	0.0067	0.020	4.2	0.00081	0.039	0.00016	0.0021	0.00001	0.0051	0.0000056	10	0.00027	0.00016	0.00035	0.19
29	September	0.33	0.098	0.02	0.007	0.020	4.4	0.00083	0.038	0.00017	0.0021	0.00001	0.0051	0.0000055	10	0.00027	0.00017	0.00035	0.19
29	October	0.33	0.1	0.02	0.0073	0.020	4.5	0.00084	0.037	0.00017	0.0021	0.00001	0.0051	0.0000053	10	0.00027	0.00017	0.00035	0.19
29	November	0.33	0.11	0.02	0.0076	0.021	4.7	0.00086	0.037	0.00018	0.0021	0.00001	0.0051	0.0000052	10	0.00027	0.00018	0.00035	0.19
29	December	0.33	0.11	0.021	0.0077	0.020	4.8	0.00087	0.037	0.00018	0.0021	0.00001	0.0051	0.0000052	10	0.00027	0.00018	0.00035	0.19
30	January	0.33	0.11	0.02	0.0076	0.020	4.7	0.00086	0.037	0.00018	0.0021	0.00001	0.0051	0.0000053	10	0.00027	0.00018	0.00035	0.19
30	February	0.33	0.11	0.021	0.0077	0.020	4.8	0.00086	0.037	0.00018	0.0021	0.00001	0.0051	0.0000053	10	0.00027	0.00018	0.00034	0.19
30	March	0.34	0.11	0.021	0.0078	0.020	4.9	0.00086	0.036	0.00018	0.0021	0.00001	0.0051	0.0000053	10	0.00027	0.00018	0.00034	0.19
30	April	0.33	0.1	0.02	0.0072	0.020	4.5	0.00084	0.036	0.00017	0.0021	0.00001	0.0051	0.0000052	10	0.00027	0.00017	0.00034	0.19
30	May	0.31	0.086	0.018	0.006	0.020	3.8	0.00079	0.036	0.00015	0.0021	0.00001	0.0051	0.000005	10	0.00027	0.00015	0.00035	0.19
30	June	0.31	0.083	0.018	0.0058	0.020	3.7	0.00078	0.036	0.00014	0.0021	0.00001	0.0051	0.0000049	10	0.00027	0.00015	0.00035	0.2
30	July	0.31	0.081	0.017	0.0056	0.020	3.6	0.00077	0.035	0.00014	0.0021	0.00001	0.0051	0.0000049	10	0.00027	0.00014	0.00034	0.19
30	August	0.31	0.078	0.017	0.0054	0.020	3.4	0.00075	0.034	0.00014	0.0021	0.00001	0.0051	0.0000049	10	0.00027	0.00014	0.00033	0.19
30	September	0.31	0.081	0.017	0.0056	0.020	3.6	0.00076	0.033	0.00014	0.0021	0.00001	0.0051	0.0000048	10	0.00027	0.00014	0.00033	0.19
30	October	0.31	0.084	0.018	0.0059	0.020	3.7	0.00078	0.033	0.00015	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00015	0.00034	0.19
30	November	0.32	0.089	0.018	0.0062	0.020	3.9	0.0008	0.033	0.00015	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00015	0.00034	0.19
30	December	0.32	0.09	0.018	0.0064	0.020	4	0.0008	0.033	0.00015	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00016	0.00034	0.19
31	January	0.32	0.09	0.018	0.0063	0.020	4	0.0008	0.033	0.00015	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00015	0.00033	0.19
31	February	0.32	0.091	0.019	0.0064	0.020	4.1	0.0008	0.032	0.00016	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00016	0.00033	0.19
31	March	0.32	0.094	0.019	0.0066	0.020	4.2	0.00081	0.032	0.00016	0.0021	0.00001	0.0051	0.0000047	10	0.00027	0.00016	0.00033	0.19
31	April	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.032	0.00015	0.0021	0.00001	0.0051	0.0000046	10	0.00027	0.00015	0.00033	0.19
31	May	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.032	0.00014	0.0021	0.00001	0.0051	0.0000045	10	0.00027	0.00014	0.00034	0.19
31	June	0.31	0.077	0.017	0.0053	0.020	3.4	0.00076	0.032	0.00014	0.0021	0.00001	0.0051	0.0000044	10	0.00027	0.00014	0.00034	0.19
31	July	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.031	0.00014	0.0021	0.00001	0.0051	0.0000044	10	0.00027	0.00014	0.00033	0.19
31	August	0.31	0.076	0.017	0.0052	0.019	3.3	0.00074	0.03	0.00013	0.0021	0.00001	0.0051	0.0000044	10	0.00027	0.00013	0.00032	0.19
31	September	0.31	0.079	0.017	0.0055	0.020	3.5	0.00076	0.03	0.00014	0.0021	0.00001	0.0051	0.0000043	10	0.00027	0.00014	0.00032	0.19
31	October	0.31	0.083	0.018	0.0058	0.020	3.7	0.00077	0.03	0.00014	0.0021	0.00001	0.0051	0.0000043	10	0.00027	0.00014	0.00033	0.19
31	November	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.03	0.00015	0.0021	0.00001	0.0051	0.0000042	10	0.00027	0.00015	0.00033	0.19
31	December	0.32	0.09	0.018	0.0063	0.020	4	0.0008	0.03	0.00015	0.0021	0.00001	0.0051	0.0000042	10	0.00027	0.00015	0.00033	0.19
32	January	0.32	0.089	0.018	0.0063	0.020	4	0.00079	0.029	0.00015	0.0021	0.00001	0.0051	0.0000042	10	0.00027	0.00015	0.00032	0.19
32	February	0.32	0.091	0.019	0.0064	0.020	4	0.0008	0.029	0.00015	0.0021	0.00001	0.0051	0.0000043	10	0.00026	0.00015	0.00032	0.18
32	March	0.32	0.093	0.019	0.0066	0.019	4.1	0.0008	0.028	0.00016	0.0021	0.00001	0.0051	0.0000043	10	0.00026	0.00016	0.00032	0.18
32	April	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.028	0.00015	0.0021	0.00001	0.0051	0.0000042	10	0.00026	0.00015	0.00032	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.029	0.00013	0.002	0.00001	0.0051	0.0000041	10	0.00027	0.00014	0.00033	0.19
32	June	0.31	0.077	0.017	0.0053	0.020	3.4	0.00076	0.03	0.00014	0.002	0.00001	0.0051	0.0000041	10	0.00027	0.00014	0.00033	0.19
32	July	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.028	0.00014	0.002	0.00001	0.0051	0.0000041	10	0.00027	0.00014	0.00032	0.19
32	August	0.31	0.076	0.017	0.0052	0.019	3.3	0.00074	0.027	0.00013	0.002	0.00001	0.0051	0.000004	10	0.00026	0.00013	0.00032	0.18
32	September	0.31	0.079	0.017	0.0055	0.019	3.5	0.00076	0.027	0.00014	0.002	0.00001	0.0051	0.000004	10	0.00026	0.00014	0.00032	0.18
32	October	0.31	0.083	0.018	0.0058	0.020	3.7	0.00077	0.027	0.00014	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00014	0.00032	0.19
32	November	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.028	0.00015	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00032	0.19
32	December	0.32	0.09	0.018	0.0063	0.020	4	0.0008	0.027	0.00015	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00032	0.19
33	January	0.32	0.089	0.018	0.0063	0.020	4	0.00079	0.027	0.00015	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00032	0.18
33	February	0.32	0.091	0.019	0.0064	0.020	4	0.0008	0.026	0.00015	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00031	0.18
33	March	0.32	0.093	0.019	0.0066	0.019	4.1	0.0008	0.026	0.00016	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00031	0.18
33	April	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.026	0.00015	0.002	0.00001	0.0051	0.0000039	10	0.00026	0.00015	0.00031	0.18
33	May	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.027	0.00013	0.002	0.00001	0.0051	0.0000038	10	0.00026	0.00014	0.00032	0.19
33	June	0.31	0.077	0.017	0.0053	0.020	3.4	0.00076	0.028	0.00014	0.002	0.00001	0.0051	0.0000038	10	0.00026	0.00014	0.00033	0.19
33	July	0.31	0.077	0.017	0.0053	0.020	3.4	0.00075	0.026	0.00013	0.002	0.00001	0.0051	0.0000038	10	0.00026	0.00014	0.00032	0.19
33	August	0.31	0.076	0.017	0.0052	0.019	3.3	0.00074	0.025	0.00013	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00013	0.00031	0.18
33	September	0.31	0.079	0.017	0.0055	0.019	3.5	0.00076	0.025	0.00014	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00014	0.00031	0.18
33	October	0.31	0.083	0.018	0.0058	0.020	3.7	0.00077	0.025	0.00014	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00014	0.00031	0.18
33	November	0.32	0.088	0.018	0.0062	0.020	3.9	0.00079	0.026	0.00015	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00015	0.00032	0.19
33	December	0.32	0.09	0.018	0.0063	0.020	4	0.0008	0.026	0.00015	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00015	0.00032	0.19
34	January	0.32	0.083	0.018	0.0057	0.020	3.7	0.00077	0.025	0.00014	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00014	0.00031	0.18
34	February	0.32	0.074	0.016	0.0049	0.019	3.3	0.00073	0.024	0.00013	0.002	0.00001	0.0051	0.0000037	10	0.00026	0.00013	0.00031	0.18
34	March	0.32	0.066	0.015	0.0043	0.019	2.9	0.0007	0.024	0.00012	0.002	0.00001	0.0052	0.0000037	10	0.00026	0.00012	0.0003	0.18
34	April	0.32	0.056	0.014	0.0034	0.019	2.5	0.00066	0.024	0.00011	0.002	0.00001	0.0052	0.0000036	10	0.00026	0.00011	0.0003	0.18
34	May	0.31	0.04	0.012	0.0021	0.019	1.7	0.00061	0.026	0.000086	0.002	0.00001	0.0052	0.0000036	10	0.00027	0.000091	0.00032	0.19
34	June	0.31	0.029	0.011	0.0012	0.019	1.2	0.00057	0.026	0.000072	0.002	0.00001	0.0052	0.0000036	10	0.00027	0.000079	0.00032	0.19
34	July	0.31	0.025	0.01	0.00085	0.019	1.1	0.00055	0.025	0.000066	0.002	0.00001	0.0052	0.0000036	10	0.00027	0.000072	0.00031	0.18
34	August	0.31	0.023	0.01	0.00071	0.018	0.98	0.00054	0.024	0.000063	0.002	0.00001	0.0052	0.0000036	10	0.00027	0.000069	0.0003	0.18
34	September	0.32	0.022	0.0099	0.00065	0.018	0.96	0.00054	0.024	0.000063	0.002	0.00001	0.0052	0.0000035	10	0.00027	0.000068	0.0003	0.18
34	October	0.32	0.022	0.0098	0.0006	0.018	0.95	0.00054	0.024	0.000063	0.002	0.00001	0.0052	0.0000035	10	0.00027	0.000069	0.00031	0.18
34	November	0.32	0.022	0.0098	0.00058	0.019	0.96	0.00054	0.025	0.000064	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.00007	0.00031	0.18
34	December	0.33	0.022	0.0098	0.00056	0.019	0.96	0.00054	0.024	0.000064	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.00007	0.00031	0.18
35	January	0.32	0.022	0.0098	0.00055	0.018	0.95	0.00053	0.024	0.000063	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.000069	0.0003	0.18
35	February	0.33	0.022	0.0098	0.00055	0.018	0.95	0.00053	0.023	0.000064	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.000068	0.0003	0.18
35	March	0.33	0.022	0.0098	0.00054	0.018	0.96	0.00053	0.022	0.000064	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.000068	0.0003	0.18
35	April	0.32	0.021	0.0098	0.00054	0.018	0.94	0.00053	0.023	0.000063	0.002	0.00001	0.0053	0.0000035	10	0.00027	0.000067	0.0003	0.18
35	May	0.31	0.021	0.0097	0.00052	0.019	0.89	0.00054	0.024	0.000061	0.002	0.00001	0.0052	0.0000035	10	0.00027	0.000068	0.00031	0.19
35	June	0.31	0.02	0.0097	0.00052	0.019	0.89	0.00054	0.025	0.000061	0.002	0.00001	0.0052	0.0000035	10	0.00027	0.000068	0.00031	0.19
35	July	0.31	0.021	0.0097	0.00052	0.019	0.88	0.00053	0.024	0.000061	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000067	0.00031	0.18
35	August	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.023	0.00006	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000066	0.0003	0.18
35	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.022	0.000061	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000066	0.0003	0.18
35	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.023	0.000062	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000067	0.0003	0.18
35	November	0.32	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.023	0.000062	0.002	0.00001	0.0053	0.0000034	10	0.00027	0.000069	0.00031	0.18
35	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.023	0.000063	0.002	0.00001	0.0053	0.0000034	10	0.00027	0.000069	0.00031	0.18
36	January	0.32	0.021	0.0097	0.00052	0.018	0.93	0.00053	0.022	0.000063	0.002	0.00001	0.0053	0.0000034	10	0.00027	0.000068	0.0003	0.18
36	February	0.33	0.021	0.0098	0.00052	0.018	0.94	0.00053	0.022	0.000063	0.002	0.00001	0.0053	0.0000034	10	0.00027	0.000067	0.0003	0.18
36	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.021	0.000063	0.002	0.00001	0.0053	0.0000033	10	0.00027	0.000067	0.00029	0.18
36	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.022	0.000062	0.002	0.00001	0.0053	0.0000033	10	0.00027	0.000067	0.0003	0.18
36	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.024	0.000061	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000067	0.00031	0.19
36	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.024	0.000061	0.002	0.00001	0.0052	0.0000034	10	0.00027	0.000068	0.00031	0.19
36	July	0.31	0.021	0.0097	0.00051	0.019	0.88	0.00053	0.023	0.000061	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000067	0.0003	0.18
36	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.022	0.00006	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000065	0.0003	0.18
36	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.022	0.000061	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000066	0.0003	0.18
36	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.022	0.000062	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000067	0.0003	0.18
36	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.023	0.000062	0.002	0.00001	0.0053	0.0000033	10	0.00027	0.000068	0.00031	0.18
36	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.022	0.000063	0.002	0.00001	0.0053	0.0000033	10	0.00027	0.000068	0.0003	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.022	0.000063	0.002	0.00001	0.0053	0.0000033	10	0.00027	0.000067	0.0003	0.18
37	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.021	0.000063	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000067	0.00029	0.18
37	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000067	0.00029	0.18
37	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.021	0.000062	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000066	0.00029	0.18
37	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.023	0.00006	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000067	0.00031	0.18
37	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.023	0.000061	0.002	0.00001	0.0052	0.0000033	10	0.00027	0.000068	0.00031	0.19
37	July	0.31	0.021	0.0097	0.00051	0.019	0.88	0.00053	0.022	0.000061	0.002	0.00001	0.0052	0.0000032	10	0.00027	0.000066	0.0003	0.18
37	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.021	0.00006	0.002	0.00001	0.0052	0.0000032	10	0.00026	0.000065	0.00029	0.18
37	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.021	0.000061	0.002	0.00001	0.0052	0.0000032	10	0.00027	0.000066	0.00029	0.18
37	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.021	0.000062	0.002	0.00001	0.0052	0.0000032	10	0.00027	0.000067	0.0003	0.18
37	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.022	0.000062	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000068	0.0003	0.18
37	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.022	0.000063	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000068	0.0003	0.18
38	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.021	0.000063	0.002	0.00001	0.0053	0.0000032	10	0.00027	0.000067	0.0003	0.18
38	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000067	0.00029	0.18
38	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000066	0.00029	0.18
38	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.02	0.000062	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000066	0.00029	0.18
38	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.00006	0.002	0.00001	0.0052	0.0000032	10	0.00027	0.000067	0.00031	0.18
38	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.023	0.000061	0.002	0.00001	0.0052	0.0000032	10	0.00027	0.000068	0.00031	0.19
38	July	0.31	0.021	0.0097	0.00051	0.019	0.88	0.00053	0.021	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000066	0.0003	0.18
38	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.02	0.00006	0.002	0.00001	0.0052	0.0000031	10	0.00026	0.000065	0.00029	0.18
38	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00026	0.000065	0.00029	0.18
38	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.021	0.000062	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.0003	0.18
38	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.022	0.000062	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000068	0.0003	0.18
38	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.021	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000068	0.0003	0.18
39	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000067	0.0003	0.18
39	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000066	0.00029	0.18
39	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000066	0.00029	0.18
39	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.02	0.000062	0.002	0.00001	0.0053	0.0000031	10	0.00026	0.000066	0.00029	0.18
39	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.00006	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.0003	0.18
39	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.00031	0.19
39	July	0.31	0.021	0.0097	0.00051	0.019	0.88	0.00053	0.021	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000066	0.0003	0.18
39	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.02	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000065	0.00029	0.18
39	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000065	0.00029	0.18
39	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.021	0.000062	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.0003	0.18
39	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.021	0.000062	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000068	0.0003	0.18
39	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.021	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000068	0.0003	0.18
40	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000067	0.00029	0.18
40	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000066	0.00029	0.18
40	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
40	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.019	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
40	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.00006	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.0003	0.18
40	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.00031	0.19
40	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
40	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.02	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000064	0.00029	0.18
40	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000065	0.00029	0.18
40	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
40	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.021	0.000062	0.002	0.00001	0.0053	0.0000031	10	0.00027	0.000068	0.0003	0.18
40	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.021	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
41	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000067	0.00029	0.18
41	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
41	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
41	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.019	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
41	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
41	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.000061	0.002	0.00001	0.0052	0.0000031	10	0.00027	0.000067	0.00031	0.18
41	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000066	0.0003	0.18
41	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000064	0.00029	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000065	0.00029	0.18
41	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
41	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.021	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
41	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
42	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000067	0.00029	0.18
42	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00026	0.000066	0.00029	0.18
42	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
42	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.019	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
42	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
42	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.00031	0.18
42	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000066	0.0003	0.18
42	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
42	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
42	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
42	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.021	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
42	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
43	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000067	0.00029	0.18
43	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
43	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00028	0.18
43	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.019	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
43	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
43	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.022	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.00031	0.18
43	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00026	0.000066	0.0003	0.18
43	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
43	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
43	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000066	0.0003	0.18
43	November	0.32	0.021	0.0097	0.00051	0.019	0.93	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
43	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
44	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.00029	0.18
44	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
44	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00028	0.18
44	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
44	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
44	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.00031	0.18
44	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
44	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
44	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
44	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000066	0.00029	0.18
44	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000068	0.0003	0.18
44	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000067	0.0003	0.18
45	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.00029	0.18
45	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
45	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00028	0.17
45	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
45	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
45	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.00031	0.18
45	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
45	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
45	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
45	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.02	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
45	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.000003	10	0.00027	0.000067	0.0003	0.18
45	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
46	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000066	0.00029	0.18
46	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
46	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00028	0.17
46	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000065	0.00029	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000066	0.0003	0.18
46	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.00031	0.18
46	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
46	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
46	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
46	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
46	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
46	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
47	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
47	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
47	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
47	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000065	0.00029	0.18
47	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000066	0.0003	0.18
47	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
47	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
47	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
47	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
47	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
47	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
47	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
48	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
48	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
48	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
48	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000065	0.00029	0.18
48	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000066	0.0003	0.18
48	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
48	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
48	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000064	0.00029	0.18
48	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
48	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
48	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
48	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
49	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
49	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
49	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
49	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
49	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
49	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
49	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
49	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
49	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
49	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
49	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
49	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
50	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
50	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
50	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
50	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
50	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
50	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
50	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
50	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
50	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
50	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
50	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
50	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
51	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
51	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
51	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
51	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
51	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
51	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.0003	0.18
51	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.019	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
51	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
51	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
51	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
51	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
52	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
52	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.002	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
52	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
52	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
52	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
52	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
52	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
52	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
52	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
52	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
52	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
52	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
53	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
53	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
53	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
53	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
53	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
53	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
53	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
53	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
53	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
53	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
53	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
53	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
54	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
54	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
54	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
54	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
54	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
54	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.000003	10	0.00027	0.000067	0.0003	0.18
54	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.02	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
54	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
54	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
54	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
54	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
54	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
55	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
55	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
55	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
55	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
55	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
55	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
55	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
55	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
55	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
55	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
55	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
56	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
56	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
56	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
56	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
56	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
56	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
56	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
56	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
56	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
56	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
56	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
56	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
57	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
57	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
57	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
57	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
57	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
57	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
57	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
57	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
57	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
57	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
57	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
57	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
58	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
58	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
58	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
58	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
58	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
58	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
58	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
58	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
58	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
58	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
58	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
58	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
59	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
59	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
59	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
59	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
59	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
59	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
59	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
59	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
59	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
59	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
59	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
59	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
60	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
60	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
60	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
60	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
60	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
60	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
60	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
60	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
60	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
60	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
60	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
61	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
61	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
61	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
61	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
61	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
61	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
61	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
61	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
61	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
61	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
61	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
61	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
62	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
62	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
62	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
62	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
62	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
62	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
62	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
62	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
62	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
62	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
62	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
62	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
63	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
63	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
63	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
63	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
63	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
63	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
63	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
63	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
63	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
63	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
63	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
63	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
64	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
64	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
64	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
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64	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
64	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
64	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
64	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
64	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
64	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
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64	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
65	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
65	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
65	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
65	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
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65	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
65	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
66	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
66	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
66	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
66	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
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66	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
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66	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
67	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
67	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
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67	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
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67	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
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68	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
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68	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
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68	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
68	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
69	January	0.32	0.021	0.0097	0.00051	0.018	0.93	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
69	February	0.33	0.021	0.0098	0.00051	0.018	0.94	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
69	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
69	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
69	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
69	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
69	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
69	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
69	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
69	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
69	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
70	January	0.32	0.021	0.0097	0.00051	0.018	0.9	0.00053	0.019	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00026	0.000066	0.00029	0.18
70	February	0.33	0.021	0.0098	0.00051	0.018	0.9	0.00053	0.018	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00029	0.18
70	March	0.33	0.021	0.0098	0.00052	0.018	0.95	0.00053	0.017	0.000063	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000066	0.00028	0.17
70	April	0.32	0.021	0.0098	0.00051	0.018	0.92	0.00053	0.018	0.000062	0.0019	0.00001	0.0053	0.0000028	10	0.00026	0.000065	0.00029	0.18
70	May	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.02	0.00006	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.0003	0.18
70	June	0.31	0.02	0.0097	0.00051	0.019	0.88	0.00054	0.021	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00027	0.000067	0.0003	0.18
70	July	0.31	0.021	0.0097	0.00051	0.018	0.88	0.00053	0.019	0.000061	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000065	0.00029	0.18
70	August	0.31	0.021	0.0097	0.00051	0.018	0.87	0.00053	0.018	0.00006	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000064	0.00029	0.18
70	September	0.32	0.021	0.0097	0.00051	0.018	0.89	0.00053	0.018	0.000061	0.002	0.00001	0.0052	0.0000028	10	0.00026	0.000065	0.00029	0.18
70	October	0.32	0.021	0.0097	0.00051	0.018	0.91	0.00053	0.019	0.000062	0.002	0.00001	0.0052	0.0000029	10	0.00026	0.000066	0.00029	0.18
70	November	0.32	0.021	0.0097	0.00051	0.019	0.92	0.00054	0.02	0.000062	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18
70	December	0.33	0.021	0.0097	0.00052	0.019	0.93	0.00054	0.02	0.000063	0.002	0.00001	0.0053	0.0000029	10	0.00027	0.000067	0.0003	0.18

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.000045	2.5	0.012	0.00000076	0.00013	0.00034	0.82	0.000082	0.000005	0.000005	0.00005	0.000067	0.00037	0.0015	0.00013	0.00015
-6	February	0.000042	2.4	0.012	0.00000073	0.00012	0.00033	0.81	0.000082	0.000005	0.000005	0.00005	0.000063	0.00035	0.0015	0.00013	0.00015
-6	March	0.00004	2.4	0.012	0.00000071	0.00012	0.00032	0.8	0.000081	0.000005	0.000005	0.00005	0.00006	0.00034	0.0015	0.00013	0.00015
-6	April	0.000038	2.4	0.012	0.00000069	0.00012	0.00031	0.8	0.00008	0.000005	0.000005	0.00005	0.000058	0.00033	0.0015	0.00012	0.00015
-6	May	0.000037	2.4	0.012	0.00000068	0.00012	0.0003	0.79	0.00008	0.000005	0.000005	0.00005	0.000056	0.00032	0.0015	0.00012	0.00015
-6	June	0.000035	2.4	0.012	0.00000066	0.00012	0.0003	0.78	0.00008	0.000005	0.000005	0.00005	0.000054	0.00031	0.0015	0.00012	0.00015
-6	July	0.000033	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000079	0.000005	0.000005	0.00005	0.00005	0.0003	0.0015	0.00011	0.00015
-6	August	0.000031	2.3	0.012	0.00000062	0.00011	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000048	0.00029	0.0015	0.00011	0.00015
-6	September	0.000031	2.3	0.012	0.00000062	0.00011	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000048	0.00029	0.0015	0.00011	0.00015
-6	October	0.000032	2.3	0.012	0.00000062	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-6	November	0.000033	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000079	0.000005	0.000005	0.00005	0.00005	0.0003	0.0015	0.00011	0.00015
-6	December	0.000032	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-5	January	0.000031	2.3	0.012	0.00000062	0.00011	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000048	0.00029	0.0015	0.00011	0.00015
-5	February	0.00003	2.3	0.012	0.00000061	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-5	March	0.00003	2.3	0.012	0.0000006	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000046	0.00028	0.0015	0.00011	0.00015
-5	April	0.00003	2.3	0.012	0.00000061	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-5	May	0.000033	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000079	0.000005	0.000005	0.00005	0.00005	0.0003	0.0015	0.00011	0.00015
-5	June	0.000033	2.4	0.012	0.00000064	0.00012	0.00029	0.78	0.000079	0.000005	0.000005	0.00005	0.000051	0.0003	0.0015	0.00011	0.00015
-5	July	0.000032	2.3	0.012	0.00000062	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-5	August	0.000031	2.3	0.012	0.00000061	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00029	0.0015	0.00011	0.00015
-5	September	0.000031	2.3	0.012	0.00000061	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00029	0.0015	0.00011	0.00015
-5	October	0.000032	2.3	0.012	0.00000062	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-5	November	0.000032	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.00005	0.00029	0.0015	0.00011	0.00015
-5	December	0.000032	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-4	January	0.000031	2.3	0.012	0.00000062	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000048	0.00029	0.0015	0.00011	0.00015
-4	February	0.00003	2.3	0.012	0.00000061	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-4	March	0.00003	2.3	0.012	0.0000006	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000046	0.00028	0.0015	0.00011	0.00015
-4	April	0.00003	2.3	0.012	0.00000061	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-4	May	0.000033	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000079	0.000005	0.000005	0.00005	0.00005	0.0003	0.0015	0.00011	0.00015
-4	June	0.000033	2.4	0.012	0.00000064	0.00012	0.00029	0.77	0.000079	0.000005	0.000005	0.00005	0.000051	0.0003	0.0015	0.00011	0.00015
-4	July	0.000032	2.3	0.012	0.00000062	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-4	August	0.000031	2.3	0.012	0.00000061	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00029	0.0015	0.00011	0.00015
-4	September	0.000031	2.3	0.012	0.00000061	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00029	0.0015	0.00011	0.00015
-4	October	0.000032	2.3	0.012	0.00000062	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-4	November	0.000032	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.00005	0.00029	0.0015	0.00011	0.00015
-4	December	0.000032	2.3	0.012	0.00000063	0.00012	0.00028	0.77	0.000078	0.000005	0.000005	0.00005	0.000049	0.00029	0.0015	0.00011	0.00015
-3	January	0.000032	2.3	0.012	0.00000062	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000048	0.00029	0.0015	0.00011	0.00015
-3	February	0.000032	2.3	0.012	0.00000061	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-3	March	0.000034	2.3	0.012	0.0000006	0.00011	0.00027	0.76	0.000078	0.000005	0.000005	0.00005	0.000046	0.00028	0.0015	0.00011	0.00015
-3	April	0.000037	2.3	0.012	0.00000061	0.00011	0.00028	0.76	0.000078	0.000005	0.000005	0.00005	0.000047	0.00028	0.0015	0.00011	0.00015
-3	May	0.000045	2.3	0.012	0.00000064	0.00012	0.00029	0.77	0.000079	0.0000051	0.000005	0.00005	0.00005	0.0003	0.0016	0.00012	0.00015
-3	June	0.000054	2.4	0.012	0.00000065	0.00012	0.0003	0.78	0.000079	0.0000051	0.000005	0.00005	0.000051	0.00031	0.0016	0.00012	0.00015
-3	July	0.00006	2.3	0.012	0.00000063	0.00012	0.00029	0.77	0.000078	0.0000052	0.000005	0.00005	0.000049	0.0003	0.0016	0.00012	0.00015
-3	August	0.000063	2.3	0.012	0.00000063	0.00011	0.00029	0.77	0.000078	0.0000052	0.000005	0.00005	0.000048	0.00029	0.0017	0.00012	0.00015
-3	September	0.000065	2.3	0.012	0.00000063	0.00011	0.00029	0.77	0.000078	0.0000052	0.000005	0.00005	0.000048	0.00029	0.0017	0.00012	0.00015
-3	October	0.000068	2.3	0.012	0.00000064	0.00012	0.0003	0.77	0.000078	0.0000052	0.000005	0.00005	0.000049	0.0003	0.0017	0.00013	0.00015
-3	November	0.00007	2.3	0.012	0.00000064	0.00012	0.0003	0.77	0.000079	0.0000052	0.0000051	0.00005	0.00005	0.0003	0.0017	0.00013	0.00015
-3	December	0.000074	2.3	0.012	0.00000064	0.00012	0.0003	0.77	0.000078	0.0000052	0.0000051	0.000051	0.000049	0.0003	0.0017	0.00013	0.00015
-2	January	0.000079	2.3	0.012	0.00000064	0.00012	0.0003	0.77	0.000078	0.0000053	0.0000051	0.000051	0.000048	0.0003	0.0017	0.00013	0.00015
-2	February	0.000084	2.3	0.012	0.00000063	0.00011	0.0003	0.76	0.000078	0.0000053	0.0000051	0.000051	0.000047	0.0003	0.0018	0.00013	0.00015
-2	March	0.000088	2.3	0.012	0.00000063	0.00011	0.0003	0.76	0.000078	0.0000053	0.0000051	0.000051	0.000046	0.00029	0.0018	0.00013	0.00015
-2	April	0.00009	2.3	0.012	0.00000063	0.00011	0.0003	0.76	0.000078	0.0000054	0.0000051	0.000051	0.000047	0.0003	0.0018	0.00013	0.00015
-2	May	0.000094	2.3	0.012	0.00000066	0.00012	0.00031	0.78	0.000079	0.0000054	0.0000051	0.000051	0.00005	0.00031	0.0018	0.00014	0.00015
-2	June	0.0001	2.4	0.012	0.00000067	0.00012	0.00032	0.78	0.000079	0.0000054	0.0000051	0.000051	0.000051	0.00032	0.0018	0.00014	0.00015
-2	July	0.00011	2.3	0.012	0.00000065	0.00012	0.00031	0.77	0.000079	0.0000055	0.0000051	0.000051	0.000049	0.00031	0.0019	0.00014	0.00015
-2	August	0.00011	2.3	0.012	0.00000065	0.00012	0.00031	0.77	0.000078	0.0000055	0.0000051	0.000051	0.000048	0.00031	0.0019	0.00014	0.00015

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00011	2.3	0.012	0.00000065	0.00012	0.00031	0.77	0.000078	0.0000055	0.0000051	0.000051	0.000048	0.00031	0.0019	0.00014	0.00015
-2	October	0.00011	2.3	0.012	0.00000065	0.00012	0.00032	0.77	0.000079	0.0000055	0.0000051	0.000051	0.000049	0.00031	0.0019	0.00014	0.00015
-2	November	0.00011	2.3	0.012	0.00000066	0.00012	0.00032	0.77	0.000079	0.0000055	0.0000051	0.000051	0.00005	0.00032	0.0019	0.00014	0.00015
-2	December	0.00012	2.3	0.012	0.00000066	0.00012	0.00032	0.77	0.000079	0.0000055	0.0000051	0.000051	0.00005	0.00031	0.0019	0.00014	0.00015
-1	January	0.00012	2.3	0.012	0.00000065	0.00012	0.00032	0.77	0.000079	0.0000055	0.0000051	0.000051	0.000048	0.00031	0.0019	0.00015	0.00015
-1	February	0.00013	2.3	0.012	0.00000065	0.00011	0.00032	0.77	0.000078	0.0000056	0.0000051	0.000051	0.000047	0.00031	0.002	0.00015	0.00015
-1	March	0.00013	2.3	0.012	0.00000064	0.00011	0.00032	0.76	0.000078	0.0000056	0.0000051	0.000051	0.000047	0.00031	0.002	0.00015	0.00015
-1	April	0.00013	2.3	0.012	0.00000065	0.00011	0.00032	0.77	0.000078	0.0000056	0.0000051	0.000051	0.000047	0.00031	0.002	0.00015	0.00015
-1	May	0.00013	2.4	0.012	0.00000067	0.00012	0.00033	0.78	0.000079	0.0000056	0.0000051	0.000051	0.000051	0.00032	0.002	0.00015	0.00015
-1	June	0.00014	2.4	0.012	0.00000068	0.00012	0.00033	0.78	0.000079	0.0000056	0.0000051	0.000051	0.000052	0.00033	0.002	0.00015	0.00015
-1	July	0.00015	2.3	0.012	0.00000067	0.00012	0.00033	0.77	0.000079	0.0000057	0.0000052	0.000052	0.000049	0.00032	0.0021	0.00016	0.00015
-1	August	0.00015	2.3	0.012	0.00000066	0.00012	0.00033	0.77	0.000079	0.0000057	0.0000052	0.000052	0.000048	0.00032	0.0021	0.00016	0.00016
-1	September	0.00015	2.3	0.012	0.00000066	0.00012	0.00033	0.77	0.000079	0.0000057	0.0000052	0.000052	0.000048	0.00032	0.0021	0.00016	0.00016
-1	October	0.00015	2.3	0.012	0.00000067	0.00012	0.00033	0.78	0.000079	0.0000057	0.0000052	0.000052	0.000049	0.00032	0.002	0.00016	0.00017
-1	November	0.00014	2.3	0.012	0.00000067	0.00012	0.00033	0.78	0.000079	0.0000057	0.0000052	0.000052	0.000051	0.00032	0.002	0.00016	0.00018
-1	December	0.00015	2.3	0.012	0.00000067	0.00012	0.00033	0.78	0.000079	0.0000057	0.0000052	0.000053	0.00005	0.00032	0.0021	0.00016	0.00019
1	January	0.00016	2.3	0.012	0.00000067	0.00012	0.00033	0.78	0.000079	0.0000057	0.0000052	0.000053	0.000049	0.00032	0.0021	0.00016	0.0002
1	February	0.00016	2.3	0.012	0.00000066	0.00012	0.00033	0.77	0.000079	0.0000058	0.0000052	0.000053	0.000048	0.00032	0.0021	0.00016	0.00021
1	March	0.00017	2.3	0.012	0.00000066	0.00012	0.00033	0.77	0.000079	0.0000058	0.0000052	0.000054	0.000048	0.00031	0.0022	0.00016	0.00022
1	April	0.00016	2.3	0.012	0.00000066	0.00013	0.00033	0.78	0.000079	0.0000058	0.0000052	0.000054	0.000049	0.00032	0.0021	0.00016	0.00022
1	May	0.00016	2.4	0.012	0.00000068	0.00013	0.00034	0.79	0.00008	0.0000057	0.0000052	0.000054	0.000052	0.00033	0.0021	0.00016	0.00022
1	June	0.00016	2.4	0.012	0.00000069	0.00013	0.00034	0.79	0.000081	0.0000058	0.0000052	0.000055	0.000053	0.00033	0.0021	0.00016	0.00025
1	July	0.00017	2.3	0.012	0.00000068	0.00013	0.00034	0.79	0.000081	0.0000058	0.0000052	0.000055	0.000051	0.00033	0.0022	0.00016	0.00026
1	August	0.00017	2.3	0.012	0.00000067	0.00013	0.00034	0.78	0.00008	0.0000059	0.0000052	0.000055	0.00005	0.00032	0.0022	0.00016	0.00027
1	September	0.00017	2.3	0.012	0.00000067	0.00014	0.00034	0.79	0.000081	0.0000058	0.0000052	0.000056	0.00005	0.00032	0.0022	0.00016	0.00028
1	October	0.00016	2.3	0.012	0.00000068	0.00014	0.00034	0.79	0.000081	0.0000058	0.0000052	0.000056	0.000052	0.00033	0.0021	0.00016	0.0003
1	November	0.00016	2.3	0.012	0.00000069	0.00014	0.00034	0.8	0.000081	0.0000058	0.0000052	0.000057	0.000053	0.00033	0.0021	0.00016	0.00032
1	December	0.00017	2.3	0.012	0.00000068	0.00015	0.00034	0.8	0.000081	0.0000058	0.0000052	0.000057	0.000053	0.00033	0.0021	0.00016	0.00034
2	January	0.00017	2.3	0.012	0.00000068	0.00015	0.00034	0.79	0.000081	0.0000059	0.0000052	0.000058	0.000052	0.00033	0.0022	0.00017	0.00034
2	February	0.00018	2.3	0.012	0.00000067	0.00015	0.00034	0.79	0.000081	0.0000059	0.0000052	0.000058	0.000051	0.00032	0.0022	0.00017	0.00035
2	March	0.00018	2.3	0.012	0.00000067	0.00015	0.00034	0.79	0.000081	0.0000059	0.0000052	0.000058	0.00005	0.00032	0.0022	0.00017	0.00037
2	April	0.00018	2.3	0.012	0.00000067	0.00015	0.00034	0.79	0.000081	0.0000059	0.0000052	0.000058	0.000051	0.00032	0.0022	0.00017	0.00036
2	May	0.00017	2.4	0.012	0.00000069	0.00015	0.00035	0.8	0.000082	0.0000058	0.0000052	0.000058	0.000054	0.00033	0.0022	0.00017	0.00034
2	June	0.00017	2.4	0.012	0.0000007	0.00015	0.00035	0.81	0.000083	0.0000059	0.0000052	0.000058	0.000055	0.00034	0.0022	0.00017	0.00037
2	July	0.00018	2.3	0.012	0.00000069	0.00015	0.00035	0.8	0.000082	0.0000059	0.0000052	0.000059	0.000053	0.00033	0.0022	0.00017	0.00038
2	August	0.00018	2.3	0.012	0.00000068	0.00015	0.00034	0.8	0.000082	0.0000059	0.0000052	0.000059	0.000052	0.00033	0.0022	0.00017	0.00038
2	September	0.00018	2.3	0.012	0.00000068	0.00016	0.00034	0.8	0.000082	0.0000059	0.0000052	0.00006	0.000052	0.00033	0.0022	0.00017	0.00041
2	October	0.00017	2.3	0.012	0.00000069	0.00016	0.00034	0.81	0.000083	0.0000059	0.0000052	0.00006	0.000054	0.00033	0.0022	0.00017	0.00043
2	November	0.00017	2.4	0.012	0.00000069	0.00017	0.00034	0.81	0.000083	0.0000059	0.0000052	0.000061	0.000056	0.00033	0.0022	0.00017	0.00046
2	December	0.00018	2.3	0.012	0.00000069	0.00017	0.00035	0.82	0.000084	0.0000059	0.0000052	0.000062	0.000055	0.00033	0.0022	0.00017	0.00048
3	January	0.00018	2.3	0.012	0.00000069	0.00017	0.00035	0.81	0.000083	0.000006	0.0000052	0.000062	0.000054	0.00033	0.0022	0.00017	0.00049
3	February	0.00019	2.3	0.012	0.00000068	0.00017	0.00034	0.81	0.000083	0.000006	0.0000052	0.000063	0.000053	0.00033	0.0023	0.00017	0.0005
3	March	0.00019	2.3	0.012	0.00000068	0.00017	0.00034	0.81	0.000084	0.000006	0.0000052	0.000063	0.000053	0.00032	0.0023	0.00017	0.00052
3	April	0.00019	2.3	0.012	0.00000068	0.00017	0.00034	0.81	0.000083	0.000006	0.0000052	0.000063	0.000054	0.00033	0.0023	0.00017	0.00051
3	May	0.00018	2.4	0.012	0.0000007	0.00017	0.00035	0.82	0.000084	0.0000059	0.0000052	0.000061	0.000056	0.00034	0.0022	0.00017	0.00046
3	June	0.00018	2.4	0.012	0.00000071	0.00017	0.00035	0.82	0.000084	0.0000059	0.0000052	0.000062	0.000058	0.00034	0.0022	0.00017	0.00049
3	July	0.00019	2.3	0.012	0.0000007	0.00017	0.00035	0.82	0.000084	0.000006	0.0000052	0.000063	0.000056	0.00034	0.0023	0.00017	0.0005
3	August	0.00019	2.3	0.012	0.00000069	0.00017	0.00035	0.81	0.000084	0.000006	0.0000052	0.000063	0.000054	0.00033	0.0023	0.00017	0.0005
3	September	0.00019	2.3	0.012	0.00000069	0.00018	0.00035	0.82	0.000084	0.000006	0.0000052	0.000064	0.000055	0.00033	0.0023	0.00017	0.00053
3	October	0.00018	2.3	0.012	0.00000069	0.00018	0.00035	0.83	0.000085	0.000006	0.0000052	0.000064	0.000056	0.00033	0.0022	0.00017	0.00057
3	November	0.00018	2.4	0.013	0.0000007	0.00019	0.00035	0.83	0.000085	0.000006	0.0000052	0.000066	0.000058	0.00034	0.0022	0.00017	0.00061
3	December	0.00018	2.4	0.013	0.0000007	0.00019	0.00035	0.83	0.000086	0.000006	0.0000052	0.000066	0.000058	0.00034	0.0022	0.00017	0.00063
4	January	0.00019	2.3	0.013	0.00000069	0.00019	0.00035	0.83	0.000085	0.000006	0.0000052	0.000066	0.000057	0.00033	0.0023	0.00017	0.00063
4	February	0.0002	2.3	0.013	0.00000069	0.00019	0.00035	0.83	0.000085	0.0000061	0.0000053	0.000067	0.000056	0.00033	0.0023	0.00018	0.00065
4	March	0.0002	2.3	0.013	0.00000069	0.0002	0.00035	0.83	0.000086	0.0000061	0.0000053	0.000068	0.000056	0.00033	0.0023	0.00018	0.00067
4	April	0.0002	2.3	0.013	0.00000069	0.00019	0.00035	0.83	0.000085	0.0000061	0.0000053	0.000067	0.000056	0.00033	0.0023	0.00018	0.00065

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00019	2.4	0.013	0.00000071	0.00019	0.00035	0.83	0.000085	0.000006	0.0000052	0.000065	0.000058	0.00034	0.0022	0.00017	0.00058
4	June	0.00019	2.4	0.013	0.00000072	0.00019	0.00036	0.84	0.000086	0.000006	0.0000052	0.000066	0.00006	0.00034	0.0022	0.00018	0.00061
4	July	0.0002	2.4	0.013	0.0000007	0.00019	0.00035	0.83	0.000086	0.0000061	0.0000053	0.000066	0.000058	0.00034	0.0023	0.00018	0.00062
4	August	0.0002	2.3	0.013	0.0000007	0.00019	0.00035	0.83	0.000085	0.0000061	0.0000053	0.000066	0.000056	0.00033	0.0023	0.00018	0.00062
4	September	0.0002	2.3	0.013	0.00000069	0.00019	0.00035	0.83	0.000086	0.0000061	0.0000053	0.000067	0.000057	0.00033	0.0023	0.00018	0.00066
4	October	0.00019	2.3	0.013	0.0000007	0.0002	0.00035	0.84	0.000086	0.000006	0.0000052	0.000069	0.000059	0.00034	0.0023	0.00017	0.0007
4	November	0.00019	2.4	0.013	0.00000071	0.00021	0.00035	0.85	0.000087	0.000006	0.0000052	0.00007	0.000061	0.00034	0.0022	0.00017	0.00075
4	December	0.00019	2.4	0.013	0.00000071	0.00021	0.00035	0.85	0.000088	0.000006	0.0000053	0.000071	0.000061	0.00034	0.0023	0.00017	0.00077
5	January	0.0002	2.3	0.013	0.0000007	0.00021	0.00035	0.85	0.000087	0.0000061	0.0000053	0.000071	0.000059	0.00034	0.0023	0.00018	0.00078
5	February	0.00021	2.3	0.013	0.0000007	0.00022	0.00035	0.85	0.000087	0.0000061	0.0000053	0.000072	0.000059	0.00033	0.0023	0.00018	0.0008
5	March	0.00021	2.3	0.013	0.00000069	0.00022	0.00035	0.85	0.000088	0.0000062	0.0000053	0.000073	0.000058	0.00033	0.0024	0.00018	0.00083
5	April	0.0002	2.3	0.013	0.0000007	0.00021	0.00035	0.85	0.000087	0.0000061	0.0000053	0.000071	0.000058	0.00033	0.0023	0.00018	0.00079
5	May	0.00019	2.4	0.013	0.00000071	0.0002	0.00036	0.85	0.000087	0.000006	0.0000052	0.000069	0.00006	0.00034	0.0023	0.00018	0.0007
5	June	0.00019	2.4	0.013	0.00000072	0.00021	0.00036	0.85	0.000088	0.000006	0.0000053	0.00007	0.000062	0.00035	0.0023	0.00018	0.00073
5	July	0.0002	2.4	0.013	0.00000071	0.00021	0.00036	0.85	0.000087	0.0000061	0.0000053	0.00007	0.00006	0.00034	0.0023	0.00018	0.00074
5	August	0.00021	2.3	0.013	0.0000007	0.00021	0.00035	0.84	0.000087	0.0000061	0.0000053	0.00007	0.000058	0.00034	0.0023	0.00018	0.00073
5	September	0.0002	2.3	0.013	0.0000007	0.00021	0.00035	0.85	0.000087	0.0000061	0.0000053	0.000071	0.000059	0.00033	0.0023	0.00018	0.00078
5	October	0.00019	2.4	0.013	0.00000071	0.00022	0.00035	0.86	0.000088	0.0000061	0.0000053	0.000073	0.000061	0.00034	0.0023	0.00018	0.00083
5	November	0.00019	2.4	0.013	0.00000072	0.00023	0.00035	0.87	0.000089	0.0000061	0.0000053	0.000074	0.000063	0.00034	0.0023	0.00018	0.00089
5	December	0.00019	2.4	0.013	0.00000071	0.00024	0.00036	0.87	0.00009	0.0000061	0.0000053	0.000075	0.000063	0.00034	0.0023	0.00018	0.00092
6	January	0.0002	2.3	0.013	0.00000071	0.00024	0.00035	0.87	0.000089	0.0000062	0.0000053	0.000075	0.000062	0.00034	0.0023	0.00018	0.00092
6	February	0.00021	2.3	0.013	0.0000007	0.00024	0.00035	0.87	0.000089	0.0000062	0.0000053	0.000076	0.000061	0.00034	0.0024	0.00018	0.00095
6	March	0.00022	2.3	0.013	0.0000007	0.00024	0.00035	0.87	0.00009	0.0000062	0.0000053	0.000077	0.000061	0.00033	0.0024	0.00018	0.00098
6	April	0.00021	2.3	0.013	0.0000007	0.00024	0.00035	0.86	0.000089	0.0000062	0.0000053	0.000076	0.000061	0.00033	0.0024	0.00018	0.00093
6	May	0.0002	2.4	0.013	0.00000072	0.00022	0.00036	0.86	0.000089	0.0000061	0.0000053	0.000072	0.000062	0.00034	0.0023	0.00018	0.00082
6	June	0.0002	2.4	0.013	0.00000073	0.00023	0.00036	0.87	0.000089	0.0000061	0.0000053	0.000073	0.000064	0.00035	0.0023	0.00018	0.00085
6	July	0.00021	2.4	0.013	0.00000072	0.00023	0.00036	0.86	0.000089	0.0000062	0.0000053	0.000074	0.000062	0.00034	0.0023	0.00018	0.00086
6	August	0.00021	2.3	0.013	0.00000071	0.00023	0.00036	0.86	0.000088	0.0000062	0.0000053	0.000073	0.00006	0.00034	0.0024	0.00018	0.00085
6	September	0.00021	2.3	0.013	0.00000071	0.00023	0.00036	0.86	0.000089	0.0000062	0.0000053	0.000075	0.000061	0.00034	0.0023	0.00018	0.00091
6	October	0.0002	2.4	0.013	0.00000071	0.00024	0.00036	0.87	0.00009	0.0000061	0.0000053	0.000077	0.000063	0.00034	0.0023	0.00018	0.00096
6	November	0.00019	2.4	0.013	0.00000072	0.00025	0.00036	0.89	0.000091	0.0000061	0.0000053	0.000079	0.000065	0.00034	0.0023	0.00018	0.001
6	December	0.0002	2.4	0.013	0.00000072	0.00026	0.00036	0.89	0.000092	0.0000062	0.0000053	0.00008	0.000066	0.00034	0.0023	0.00018	0.0011
7	January	0.00021	2.3	0.013	0.00000071	0.00026	0.00036	0.88	0.000091	0.0000062	0.0000053	0.00008	0.000064	0.00034	0.0023	0.00018	0.0011
7	February	0.00021	2.3	0.013	0.00000071	0.00026	0.00036	0.88	0.000091	0.0000063	0.0000053	0.000081	0.000064	0.00034	0.0024	0.00018	0.0011
7	March	0.00022	2.3	0.013	0.00000071	0.00027	0.00036	0.89	0.000092	0.0000063	0.0000053	0.000082	0.000064	0.00034	0.0024	0.00018	0.0011
7	April	0.00021	2.3	0.013	0.00000071	0.00026	0.00036	0.88	0.000091	0.0000062	0.0000053	0.00008	0.000063	0.00034	0.0024	0.00018	0.0011
7	May	0.0002	2.4	0.013	0.00000072	0.00024	0.00036	0.88	0.00009	0.0000061	0.0000053	0.000076	0.000065	0.00035	0.0023	0.00018	0.00094
7	June	0.0002	2.4	0.013	0.00000073	0.00025	0.00036	0.88	0.000091	0.0000061	0.0000053	0.000077	0.000066	0.00035	0.0023	0.00018	0.00097
7	July	0.00021	2.4	0.013	0.00000072	0.00025	0.00036	0.88	0.000091	0.0000062	0.0000053	0.000077	0.000064	0.00035	0.0024	0.00018	0.00098
7	August	0.00021	2.3	0.013	0.00000071	0.00024	0.00036	0.87	0.00009	0.0000062	0.0000053	0.000077	0.000062	0.00034	0.0024	0.00018	0.00097
7	September	0.00021	2.3	0.013	0.00000071	0.00025	0.00036	0.88	0.000091	0.0000062	0.0000053	0.000079	0.000063	0.00034	0.0024	0.00018	0.001
7	October	0.0002	2.4	0.013	0.00000072	0.00026	0.00036	0.89	0.000092	0.0000062	0.0000053	0.000081	0.000066	0.00034	0.0023	0.00018	0.0011
7	November	0.0002	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
7	December	0.0002	2.4	0.013	0.00000073	0.00028	0.00036	0.91	0.000093	0.0000062	0.0000053	0.000084	0.000068	0.00035	0.0023	0.00018	0.0012
8	January	0.00021	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00018	0.0012
8	February	0.00022	2.3	0.013	0.00000072	0.00029	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000085	0.000066	0.00034	0.0024	0.00019	0.0012
8	March	0.00022	2.3	0.013	0.00000071	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000066	0.00034	0.0024	0.00019	0.0013
8	April	0.00022	2.3	0.013	0.00000071	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000066	0.00034	0.0024	0.00018	0.0012
8	May	0.0002	2.4	0.013	0.00000073	0.00026	0.00036	0.89	0.000092	0.0000062	0.0000053	0.00008	0.000067	0.00035	0.0023	0.00018	0.0011
8	June	0.0002	2.4	0.013	0.00000074	0.00027	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000081	0.000068	0.00035	0.0023	0.00018	0.0011
8	July	0.00021	2.4	0.013	0.00000073	0.00027	0.00036	0.89	0.000092	0.0000063	0.0000053	0.000081	0.000066	0.00035	0.0024	0.00019	0.0011
8	August	0.00022	2.3	0.013	0.00000072	0.00026	0.00036	0.89	0.000092	0.0000063	0.0000053	0.00008	0.000064	0.00034	0.0024	0.00018	0.0011
8	September	0.00021	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000066	0.00034	0.0024	0.00018	0.0012
8	October	0.0002	2.4	0.013	0.00000072	0.00028	0.00036	0.91	0.000094	0.0000062	0.0000053	0.000085	0.000068	0.00034	0.0023	0.00018	0.0012
8	November	0.0002	2.4	0.013	0.00000073	0.0003	0.00036	0.92	0.000095	0.0000062	0.0000053	0.000087	0.00007	0.00035	0.0023	0.00018	0.0013
8	December	0.0002	2.4	0.013	0.00000073	0.0003	0.00036	0.92	0.000095	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00021	2.4	0.013	0.00000073	0.0003	0.00036	0.92	0.000095	0.0000063	0.0000053	0.000088	0.000069	0.00034	0.0024	0.00018	0.0014
9	February	0.00022	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000095	0.0000063	0.0000053	0.000089	0.000069	0.00034	0.0024	0.00019	0.0014
9	March	0.00022	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.000091	0.000069	0.00034	0.0024	0.00019	0.0014
9	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.91	0.000095	0.0000063	0.0000053	0.000088	0.000068	0.00034	0.0024	0.00019	0.0013
9	May	0.0002	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
9	June	0.0002	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00035	0.0023	0.00018	0.0012
9	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
9	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.89	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
9	September	0.00021	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00018	0.0012
9	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000062	0.0000053	0.000086	0.000069	0.00035	0.0023	0.00018	0.0013
9	November	0.0002	2.4	0.013	0.00000073	0.00031	0.00036	0.93	0.000096	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014
9	December	0.00021	2.4	0.013	0.00000073	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0023	0.00018	0.0014
10	January	0.00021	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00034	0.0024	0.00019	0.0014
10	February	0.00022	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
10	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000091	0.000069	0.00034	0.0024	0.00019	0.0014
10	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000063	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
10	May	0.00021	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
10	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00035	0.0023	0.00018	0.0012
10	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
10	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.89	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
10	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
10	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0023	0.00018	0.0013
10	November	0.0002	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014
10	December	0.00021	2.4	0.013	0.00000073	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0023	0.00018	0.0014
11	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
11	February	0.00022	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
11	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0024	0.00019	0.0015
11	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000063	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
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11	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
11	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
11	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
11	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0023	0.00018	0.0013
11	November	0.0002	2.4	0.013	0.00000073	0.00031	0.00036	0.93	0.000096	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014
11	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0023	0.00018	0.0014
12	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
12	February	0.00022	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
12	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000091	0.000069	0.00034	0.0025	0.00019	0.0015
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12	May	0.00021	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
12	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0023	0.00019	0.0012
12	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
12	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
12	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
12	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
12	November	0.0002	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014
12	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0023	0.00018	0.0014
13	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
13	February	0.00023	2.3	0.013	0.00000072	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
13	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
13	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
13	May	0.00021	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
13	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0023	0.00019	0.0012
13	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
13	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
13	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
13	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000062	0.0000053	0.000088	0.000071	0.00035	0.0023	0.00018	0.0014
13	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0023	0.00019	0.0014
14	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
14	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
14	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
14	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
14	May	0.00021	2.4	0.013	0.00000073	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
14	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0023	0.00019	0.0012
14	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
14	August	0.00022	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
14	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
14	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
14	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
14	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
15	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
15	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
15	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
15	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
15	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00018	0.0012
15	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0023	0.00019	0.0012
15	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
15	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
15	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
15	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
15	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
15	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
16	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
16	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
16	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
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16	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0023	0.00019	0.0012
16	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
16	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
16	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
16	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
16	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
16	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
17	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
17	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
17	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
17	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
17	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00019	0.0012
17	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
17	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
17	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
17	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
17	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00018	0.0013
17	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
17	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
18	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
18	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
18	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
18	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00019	0.0012
18	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
18	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
18	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
18	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
18	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
18	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
18	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
19	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
19	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
19	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
19	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
19	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00019	0.0012
19	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
19	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
19	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
19	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
19	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
19	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
19	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
20	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
20	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
20	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
20	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
20	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00019	0.0012
20	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
20	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
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21	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
21	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
21	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
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21	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
21	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
21	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
21	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
22	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
22	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
22	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
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22	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0023	0.00019	0.0012
22	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
22	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
22	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
22	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
22	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
22	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
22	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
23	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
23	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
23	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
23	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0024	0.00019	0.0012
23	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
23	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
23	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
23	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
23	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
23	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
23	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
24	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
24	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
24	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
24	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
24	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0024	0.00019	0.0012
24	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
24	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
24	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
24	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
24	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
24	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
24	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
25	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
25	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
25	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
25	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
25	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0024	0.00019	0.0012
25	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
25	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
25	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
25	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
25	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
25	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
25	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
26	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
26	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
26	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.93	0.000096	0.0000064	0.0000053	0.000092	0.000069	0.00034	0.0025	0.00019	0.0015
26	April	0.00023	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000064	0.0000053	0.000089	0.000068	0.00034	0.0024	0.00019	0.0014
26	May	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.9	0.000093	0.0000062	0.0000053	0.000083	0.000068	0.00035	0.0024	0.00019	0.0012
26	June	0.00021	2.4	0.013	0.00000074	0.00028	0.00037	0.91	0.000094	0.0000062	0.0000053	0.000083	0.00007	0.00036	0.0024	0.00019	0.0012
26	July	0.00022	2.4	0.013	0.00000073	0.00028	0.00037	0.9	0.000093	0.0000063	0.0000053	0.000083	0.000067	0.00035	0.0024	0.00019	0.0012
26	August	0.00023	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000082	0.000065	0.00034	0.0024	0.00019	0.0011
26	September	0.00022	2.4	0.013	0.00000072	0.00028	0.00036	0.9	0.000093	0.0000063	0.0000053	0.000084	0.000067	0.00034	0.0024	0.00019	0.0012
26	October	0.00021	2.4	0.013	0.00000073	0.00029	0.00036	0.91	0.000094	0.0000063	0.0000053	0.000086	0.000069	0.00035	0.0024	0.00019	0.0013
26	November	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.000089	0.000071	0.00035	0.0023	0.00018	0.0014
26	December	0.00021	2.4	0.013	0.00000074	0.00031	0.00036	0.93	0.000096	0.0000063	0.0000053	0.00009	0.000071	0.00035	0.0024	0.00019	0.0014
27	January	0.00022	2.4	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000063	0.0000053	0.000089	0.00007	0.00035	0.0024	0.00019	0.0014
27	February	0.00023	2.3	0.013	0.00000073	0.00031	0.00036	0.92	0.000096	0.0000064	0.0000053	0.00009	0.000069	0.00034	0.0024	0.00019	0.0014
27	March	0.00023	2.3	0.013	0.00000072	0.00032	0.00036	0.92	0.000096	0.0000064	0.0000053	0.000091	0.000069	0.00034	0.0025	0.00019	0.0014
27	April	0.00022	2.3	0.013	0.00000072	0.0003	0.00036	0.92	0.000095	0.0000063	0.0000053	0.000088	0.000068	0.00034	0.0024	0.00019	0.0013
27	May	0.0002	2.4	0.013	0.00000073	0.00027	0.00036	0.9	0.000093	0.0000062	0.0000053	0.000082	0.000068	0.00035	0.0023	0.00018	0.0011
27	June	0.00019	2.4	0.013	0.00000074	0.00027	0.00036	0.9	0.000093	0.0000061	0.0000053	0.000082	0.000069	0.00035	0.0023	0.00018	0.0011
27	July	0.0002	2.4	0.013	0.00000072	0.00027	0.00036	0.9	0.000092	0.0000062	0.0000053	0.000081	0.000066	0.00034	0.0023	0.00018	0.0011
27	August	0.0002	2.3	0.013	0.00000071	0.00026	0.00035	0.89	0.000092	0.0000062	0.0000053	0.00008	0.000064	0.00034	0.0023	0.00018	0.0011

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00019	2.3	0.013	0.00000071	0.00027	0.00035	0.89	0.000092	0.0000061	0.0000053	0.000082	0.000065	0.00034	0.0023	0.00018	0.0011
27	October	0.00018	2.4	0.013	0.00000071	0.00028	0.00035	0.9	0.000093	0.0000061	0.0000053	0.000083	0.000067	0.00034	0.0022	0.00017	0.0012
27	November	0.00018	2.4	0.013	0.00000072	0.00029	0.00035	0.91	0.000094	0.0000061	0.0000053	0.000085	0.000069	0.00034	0.0022	0.00017	0.0012
27	December	0.00018	2.4	0.013	0.00000072	0.00029	0.00035	0.91	0.000094	0.0000061	0.0000053	0.000085	0.000069	0.00034	0.0022	0.00017	0.0013
28	January	0.00018	2.4	0.013	0.00000071	0.00029	0.00035	0.9	0.000094	0.0000061	0.0000053	0.000085	0.000067	0.00034	0.0022	0.00017	0.0012
28	February	0.00018	2.3	0.013	0.0000007	0.00029	0.00034	0.9	0.000094	0.0000061	0.0000053	0.000085	0.000067	0.00033	0.0022	0.00017	0.0013
28	March	0.00019	2.3	0.013	0.0000007	0.00029	0.00034	0.9	0.000094	0.0000061	0.0000053	0.000086	0.000066	0.00033	0.0022	0.00017	0.0013
28	April	0.00018	2.3	0.013	0.0000007	0.00028	0.00034	0.9	0.000093	0.0000061	0.0000053	0.000083	0.000065	0.00033	0.0022	0.00017	0.0012
28	May	0.00016	2.4	0.013	0.00000071	0.00025	0.00034	0.88	0.000091	0.0000059	0.0000052	0.000078	0.000066	0.00034	0.0021	0.00017	0.001
28	June	0.00015	2.4	0.013	0.00000072	0.00025	0.00034	0.88	0.000091	0.0000059	0.0000052	0.000077	0.000066	0.00034	0.0021	0.00016	0.001
28	July	0.00016	2.4	0.013	0.0000007	0.00025	0.00034	0.88	0.00009	0.0000059	0.0000052	0.000077	0.000064	0.00033	0.0021	0.00016	0.00098
28	August	0.00016	2.3	0.013	0.00000069	0.00024	0.00033	0.87	0.000089	0.0000059	0.0000052	0.000075	0.000062	0.00032	0.0021	0.00016	0.00095
28	September	0.00015	2.3	0.013	0.00000069	0.00025	0.00033	0.87	0.00009	0.0000059	0.0000052	0.000077	0.000062	0.00032	0.0021	0.00016	0.00099
28	October	0.00014	2.4	0.013	0.00000069	0.00025	0.00033	0.88	0.000091	0.0000058	0.0000052	0.000078	0.000064	0.00033	0.002	0.00016	0.001
28	November	0.00014	2.4	0.013	0.0000007	0.00026	0.00033	0.89	0.000091	0.0000058	0.0000052	0.000079	0.000066	0.00033	0.002	0.00016	0.0011
28	December	0.00014	2.4	0.013	0.0000007	0.00026	0.00033	0.89	0.000091	0.0000058	0.0000052	0.00008	0.000066	0.00033	0.002	0.00016	0.0011
29	January	0.00014	2.3	0.013	0.00000069	0.00026	0.00033	0.88	0.000091	0.0000058	0.0000052	0.000079	0.000064	0.00032	0.002	0.00016	0.0011
29	February	0.00015	2.3	0.013	0.00000068	0.00026	0.00033	0.88	0.000091	0.0000059	0.0000052	0.00008	0.000063	0.00032	0.002	0.00016	0.0011
29	March	0.00015	2.3	0.013	0.00000068	0.00026	0.00033	0.88	0.000091	0.0000059	0.0000052	0.00008	0.000063	0.00032	0.0021	0.00016	0.0011
29	April	0.00014	2.3	0.012	0.00000068	0.00025	0.00032	0.87	0.00009	0.0000058	0.0000052	0.000078	0.000062	0.00032	0.002	0.00015	0.001
29	May	0.00013	2.4	0.012	0.00000069	0.00023	0.00033	0.86	0.000089	0.0000057	0.0000052	0.000073	0.000063	0.00033	0.002	0.00015	0.00088
29	June	0.00012	2.4	0.012	0.0000007	0.00023	0.00033	0.87	0.000089	0.0000057	0.0000052	0.000072	0.000064	0.00033	0.0019	0.00015	0.00086
29	July	0.00013	2.4	0.012	0.00000068	0.00022	0.00032	0.86	0.000088	0.0000057	0.0000052	0.000072	0.000061	0.00032	0.002	0.00015	0.00084
29	August	0.00013	2.3	0.012	0.00000067	0.00022	0.00032	0.85	0.000087	0.0000057	0.0000052	0.000071	0.000059	0.00032	0.002	0.00015	0.00081
29	September	0.00012	2.3	0.012	0.00000067	0.00022	0.00032	0.85	0.000088	0.0000057	0.0000052	0.000072	0.00006	0.00032	0.0019	0.00015	0.00084
29	October	0.00012	2.4	0.012	0.00000068	0.00023	0.00032	0.86	0.000088	0.0000056	0.0000052	0.000073	0.000061	0.00032	0.0019	0.00015	0.00087
29	November	0.00011	2.4	0.012	0.00000069	0.00024	0.00032	0.87	0.000089	0.0000056	0.0000052	0.000074	0.000063	0.00032	0.0019	0.00015	0.00091
29	December	0.00011	2.4	0.012	0.00000068	0.00024	0.00032	0.87	0.000089	0.0000056	0.0000052	0.000074	0.000063	0.00032	0.0019	0.00015	0.00092
30	January	0.00012	2.3	0.012	0.00000067	0.00023	0.00032	0.86	0.000089	0.0000056	0.0000052	0.000074	0.000061	0.00032	0.0019	0.00015	0.00091
30	February	0.00012	2.3	0.012	0.00000067	0.00023	0.00031	0.86	0.000088	0.0000057	0.0000052	0.000074	0.00006	0.00031	0.0019	0.00015	0.00092
30	March	0.00012	2.3	0.012	0.00000066	0.00024	0.00031	0.86	0.000088	0.0000057	0.0000052	0.000075	0.00006	0.00031	0.0019	0.00015	0.00093
30	April	0.00011	2.3	0.012	0.00000066	0.00023	0.00031	0.85	0.000088	0.0000056	0.0000051	0.000073	0.000059	0.00031	0.0019	0.00014	0.00087
30	May	0.00011	2.4	0.012	0.00000068	0.00021	0.00032	0.85	0.000087	0.0000055	0.0000051	0.000069	0.000061	0.00032	0.0018	0.00014	0.00074
30	June	0.0001	2.4	0.012	0.00000069	0.00021	0.00032	0.85	0.000087	0.0000055	0.0000051	0.000068	0.000061	0.00032	0.0018	0.00014	0.00072
30	July	0.0001	2.4	0.012	0.00000067	0.0002	0.00031	0.84	0.000086	0.0000055	0.0000051	0.000067	0.000059	0.00032	0.0018	0.00014	0.0007
30	August	0.0001	2.3	0.012	0.00000066	0.0002	0.00031	0.83	0.000085	0.0000055	0.0000051	0.000067	0.000057	0.00031	0.0018	0.00014	0.00067
30	September	0.0001	2.3	0.012	0.00000066	0.0002	0.00031	0.83	0.000086	0.0000055	0.0000051	0.000067	0.000057	0.00031	0.0018	0.00014	0.0007
30	October	0.000096	2.3	0.012	0.00000067	0.00021	0.00031	0.84	0.000086	0.0000055	0.0000051	0.000068	0.000059	0.00031	0.0018	0.00014	0.00073
30	November	0.000094	2.4	0.012	0.00000067	0.00021	0.00031	0.85	0.000087	0.0000055	0.0000051	0.000069	0.00006	0.00032	0.0018	0.00014	0.00076
30	December	0.000094	2.4	0.012	0.00000067	0.00021	0.00031	0.85	0.000087	0.0000055	0.0000051	0.00007	0.00006	0.00031	0.0018	0.00014	0.00078
31	January	0.000096	2.3	0.012	0.00000066	0.00021	0.00031	0.84	0.000087	0.0000055	0.0000051	0.000069	0.000059	0.00031	0.0018	0.00014	0.00077
31	February	0.000097	2.3	0.012	0.00000065	0.00021	0.0003	0.84	0.000086	0.0000055	0.0000051	0.00007	0.000058	0.00031	0.0018	0.00014	0.00079
31	March	0.000097	2.3	0.012	0.00000065	0.00022	0.0003	0.84	0.000087	0.0000055	0.0000051	0.00007	0.000058	0.0003	0.0018	0.00014	0.00081
31	April	0.000094	2.3	0.012	0.00000065	0.00021	0.0003	0.84	0.000086	0.0000055	0.0000051	0.000069	0.000057	0.0003	0.0018	0.00014	0.00076
31	May	0.000088	2.4	0.012	0.00000067	0.0002	0.00031	0.84	0.000086	0.0000054	0.0000051	0.000066	0.000059	0.00032	0.0018	0.00014	0.00066
31	June	0.000086	2.4	0.012	0.00000068	0.0002	0.00031	0.84	0.000086	0.0000054	0.0000051	0.000066	0.00006	0.00032	0.0018	0.00014	0.00067
31	July	0.000087	2.3	0.012	0.00000066	0.0002	0.00031	0.83	0.000085	0.0000054	0.0000051	0.000066	0.000058	0.00031	0.0018	0.00013	0.00066
31	August	0.000086	2.3	0.012	0.00000065	0.00019	0.0003	0.83	0.000085	0.0000054	0.0000051	0.000066	0.000056	0.0003	0.0018	0.00013	0.00065
31	September	0.000084	2.3	0.012	0.00000065	0.0002	0.0003	0.83	0.000085	0.0000054	0.0000051	0.000067	0.000057	0.0003	0.0018	0.00013	0.00068
31	October	0.000081	2.3	0.012	0.00000066	0.0002	0.0003	0.84	0.000086	0.0000054	0.0000051	0.000068	0.000058	0.00031	0.0017	0.00013	0.00072
31	November	0.000079	2.4	0.012	0.00000067	0.00021	0.00031	0.84	0.000087	0.0000054	0.0000051	0.000069	0.00006	0.00031	0.0017	0.00013	0.00075
31	December	0.00008	2.4	0.012	0.00000066	0.00021	0.0003	0.85	0.000087	0.0000054	0.0000051	0.000069	0.00006	0.00031	0.0017	0.00013	0.00077
32	January	0.00008	2.3	0.012	0.00000066	0.00021	0.0003	0.84	0.000086	0.0000054	0.0000051	0.000069	0.000059	0.00031	0.0017	0.00013	0.00077
32	February	0.000081	2.3	0.012	0.00000065	0.00021	0.0003	0.84	0.000086	0.0000054	0.0000051	0.00007	0.000058	0.0003	0.0017	0.00013	0.00078
32	March	0.000081	2.3	0.012	0.00000064	0.00022	0.0003	0.84	0.000086	0.0000054	0.0000051	0.00007	0.000057	0.0003	0.0017	0.00013	0.0008
32	April	0.000079	2.3	0.012	0.00000065	0.00021	0.0003	0.84	0.000086	0.0000054	0.0000051	0.000069	0.000057	0.0003	0.0017	0.00013	0.00076

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.000075	2.4	0.012	0.00000067	0.0002	0.0003	0.83	0.000086	0.0000053	0.0000051	0.000066	0.000059	0.00031	0.0017	0.00013	0.00066
32	June	0.000074	2.4	0.012	0.00000067	0.0002	0.00031	0.84	0.000086	0.0000053	0.0000051	0.000066	0.00006	0.00032	0.0017	0.00013	0.00067
32	July	0.000074	2.3	0.012	0.00000066	0.0002	0.0003	0.83	0.000085	0.0000053	0.0000051	0.000066	0.000058	0.00031	0.0017	0.00013	0.00066
32	August	0.000073	2.3	0.012	0.00000065	0.00019	0.0003	0.83	0.000085	0.0000053	0.0000051	0.000065	0.000056	0.0003	0.0017	0.00013	0.00065
32	September	0.000071	2.3	0.012	0.00000065	0.0002	0.0003	0.83	0.000085	0.0000053	0.0000051	0.000066	0.000057	0.0003	0.0017	0.00013	0.00068
32	October	0.00007	2.3	0.012	0.00000065	0.0002	0.0003	0.84	0.000086	0.0000053	0.0000051	0.000067	0.000058	0.00031	0.0017	0.00013	0.00072
32	November	0.000068	2.4	0.012	0.00000066	0.00021	0.0003	0.84	0.000087	0.0000053	0.0000051	0.000069	0.00006	0.00031	0.0017	0.00013	0.00075
32	December	0.000068	2.4	0.012	0.00000066	0.00021	0.0003	0.84	0.000087	0.0000053	0.0000051	0.000069	0.00006	0.00031	0.0017	0.00013	0.00077
33	January	0.000069	2.3	0.012	0.00000065	0.00021	0.0003	0.84	0.000086	0.0000053	0.0000051	0.000069	0.000059	0.0003	0.0017	0.00013	0.00077
33	February	0.000069	2.3	0.012	0.00000064	0.00021	0.00029	0.84	0.000086	0.0000053	0.0000051	0.000069	0.000058	0.0003	0.0017	0.00013	0.00078
33	March	0.000069	2.3	0.012	0.00000064	0.00021	0.00029	0.84	0.000086	0.0000053	0.0000051	0.00007	0.000057	0.0003	0.0017	0.00013	0.0008
33	April	0.000068	2.3	0.012	0.00000064	0.00021	0.00029	0.84	0.000086	0.0000053	0.0000051	0.000069	0.000057	0.0003	0.0017	0.00013	0.00076
33	May	0.000065	2.4	0.012	0.00000066	0.0002	0.0003	0.83	0.000085	0.0000053	0.0000051	0.000066	0.000059	0.00031	0.0017	0.00013	0.00066
33	June	0.000064	2.4	0.012	0.00000067	0.0002	0.0003	0.84	0.000086	0.0000053	0.0000051	0.000066	0.00006	0.00031	0.0016	0.00013	0.00067
33	July	0.000064	2.3	0.012	0.00000065	0.0002	0.0003	0.83	0.000085	0.0000053	0.0000051	0.000066	0.000058	0.0003	0.0017	0.00013	0.00066
33	August	0.000063	2.3	0.012	0.00000064	0.00019	0.00029	0.83	0.000085	0.0000053	0.0000051	0.000065	0.000056	0.0003	0.0017	0.00012	0.00065
33	September	0.000062	2.3	0.012	0.00000064	0.0002	0.00029	0.83	0.000085	0.0000053	0.0000051	0.000066	0.000057	0.0003	0.0016	0.00012	0.00068
33	October	0.000061	2.3	0.012	0.00000065	0.0002	0.00029	0.84	0.000086	0.0000053	0.0000051	0.000067	0.000058	0.0003	0.0016	0.00012	0.00072
33	November	0.00006	2.4	0.012	0.00000066	0.00021	0.0003	0.84	0.000086	0.0000053	0.0000051	0.000068	0.00006	0.00031	0.0016	0.00013	0.00075
33	December	0.00006	2.4	0.012	0.00000066	0.00021	0.0003	0.84	0.000087	0.0000053	0.0000051	0.000069	0.00006	0.00031	0.0016	0.00013	0.00077
34	January	0.00006	2.3	0.012	0.00000066	0.00021	0.00029	0.84	0.000086	0.0000053	0.0000051	0.000068	0.000059	0.0003	0.0016	0.00013	0.00071
34	February	0.00006	2.3	0.012	0.00000067	0.0002	0.00029	0.84	0.000086	0.0000054	0.0000051	0.000066	0.000059	0.0003	0.0016	0.00013	0.00063
34	March	0.00006	2.3	0.012	0.00000067	0.00019	0.00029	0.83	0.000086	0.0000055	0.0000051	0.000065	0.000059	0.0003	0.0017	0.00013	0.00057
34	April	0.000059	2.3	0.012	0.00000069	0.00018	0.00029	0.83	0.000086	0.0000055	0.0000051	0.000063	0.00006	0.00031	0.0016	0.00013	0.00048
34	May	0.000058	2.3	0.012	0.00000071	0.00016	0.0003	0.83	0.000085	0.0000055	0.0000051	0.000059	0.000062	0.00032	0.0016	0.00014	0.00034
34	June	0.000057	2.4	0.012	0.00000074	0.00015	0.00031	0.83	0.000086	0.0000056	0.0000051	0.000058	0.000064	0.00033	0.0016	0.00014	0.00025
34	July	0.000057	2.3	0.012	0.00000073	0.00015	0.0003	0.83	0.000085	0.0000057	0.0000051	0.000057	0.000062	0.00032	0.0016	0.00014	0.00021
34	August	0.000056	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000057	0.0000051	0.000057	0.00006	0.00031	0.0016	0.00014	0.0002
34	September	0.000055	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000057	0.0000051	0.000057	0.000061	0.00032	0.0016	0.00014	0.00019
34	October	0.000054	2.3	0.012	0.00000074	0.00015	0.0003	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00019
34	November	0.000054	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000058	0.0000051	0.000058	0.000065	0.00033	0.0016	0.00014	0.00019
34	December	0.000054	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000058	0.0000051	0.000058	0.000065	0.00033	0.0016	0.00014	0.00019
35	January	0.000054	2.3	0.012	0.00000074	0.00015	0.0003	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000064	0.00032	0.0016	0.00014	0.00019
35	February	0.000053	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000063	0.00032	0.0016	0.00014	0.00019
35	March	0.000053	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000063	0.00032	0.0016	0.00014	0.00019
35	April	0.000052	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000057	0.000062	0.00032	0.0016	0.00014	0.00018
35	May	0.000052	2.3	0.012	0.00000074	0.00014	0.0003	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00033	0.0016	0.00014	0.00018
35	June	0.000052	2.4	0.012	0.00000075	0.00014	0.0003	0.83	0.000086	0.0000057	0.0000051	0.000056	0.000064	0.00033	0.0016	0.00014	0.00018
35	July	0.000051	2.3	0.012	0.00000073	0.00014	0.0003	0.83	0.000085	0.0000057	0.0000051	0.000056	0.000062	0.00032	0.0016	0.00014	0.00018
35	August	0.00005	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0016	0.00014	0.00018
35	September	0.000049	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000057	0.0000051	0.000057	0.000061	0.00032	0.0016	0.00014	0.00018
35	October	0.000049	2.3	0.012	0.00000074	0.00015	0.0003	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
35	November	0.000049	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00033	0.0016	0.00014	0.00018
35	December	0.000049	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000058	0.0000051	0.000058	0.000065	0.00033	0.0016	0.00014	0.00018
36	January	0.000048	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000057	0.000064	0.00032	0.0016	0.00014	0.00018
36	February	0.000048	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000063	0.00032	0.0016	0.00014	0.00018
36	March	0.000048	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000063	0.00031	0.0016	0.00014	0.00018
36	April	0.000047	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00032	0.0016	0.00014	0.00018
36	May	0.000048	2.3	0.012	0.00000074	0.00014	0.0003	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00033	0.0016	0.00014	0.00018
36	June	0.000048	2.4	0.012	0.00000075	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0016	0.00014	0.00018
36	July	0.000047	2.3	0.012	0.00000073	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0016	0.00014	0.00018
36	August	0.000046	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0016	0.00013	0.00018
36	September	0.000045	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0016	0.00014	0.00018
36	October	0.000045	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
36	November	0.000045	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00033	0.0016	0.00014	0.00018
36	December	0.000045	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00033	0.0016	0.00014	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.000045	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000064	0.00032	0.0016	0.00014	0.00018
37	February	0.000044	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000063	0.00032	0.0016	0.00014	0.00018
37	March	0.000044	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000058	0.0000051	0.000058	0.000063	0.00031	0.0016	0.00014	0.00018
37	April	0.000044	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0016	0.00014	0.00018
37	May	0.000044	2.3	0.012	0.00000074	0.00014	0.0003	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0016	0.00014	0.00018
37	June	0.000044	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0016	0.00014	0.00018
37	July	0.000043	2.3	0.012	0.00000073	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0016	0.00014	0.00018
37	August	0.000042	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0016	0.00013	0.00018
37	September	0.000042	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0016	0.00013	0.00018
37	October	0.000042	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
37	November	0.000042	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00033	0.0016	0.00014	0.00018
37	December	0.000042	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0016	0.00014	0.00018
38	January	0.000042	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000064	0.00032	0.0016	0.00014	0.00018
38	February	0.000041	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0016	0.00014	0.00018
38	March	0.000041	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0016	0.00014	0.00018
38	April	0.000041	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0016	0.00014	0.00018
38	May	0.000042	2.3	0.012	0.00000073	0.00014	0.0003	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0016	0.00014	0.00018
38	June	0.000042	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0016	0.00014	0.00018
38	July	0.000041	2.3	0.012	0.00000073	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0016	0.00013	0.00018
38	August	0.00004	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0016	0.00013	0.00018
38	September	0.000039	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0016	0.00013	0.00018
38	October	0.00004	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
38	November	0.00004	2.3	0.012	0.00000075	0.00015	0.0003	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00033	0.0016	0.00014	0.00018
38	December	0.00004	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0016	0.00014	0.00018
39	January	0.000039	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000064	0.00032	0.0016	0.00014	0.00018
39	February	0.000039	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0016	0.00014	0.00018
39	March	0.000038	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0016	0.00014	0.00018
39	April	0.000038	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0016	0.00013	0.00018
39	May	0.00004	2.3	0.012	0.00000073	0.00014	0.0003	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0016	0.00014	0.00018
39	June	0.00004	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0016	0.00014	0.00018
39	July	0.000039	2.3	0.012	0.00000073	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0016	0.00013	0.00018
39	August	0.000038	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0016	0.00013	0.00018
39	September	0.000038	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0016	0.00013	0.00018
39	October	0.000038	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
39	November	0.000038	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0016	0.00014	0.00018
39	December	0.000038	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0016	0.00014	0.00018
40	January	0.000037	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0016	0.00014	0.00018
40	February	0.000037	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0016	0.00014	0.00018
40	March	0.000036	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0016	0.00014	0.00018
40	April	0.000037	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0016	0.00013	0.00018
40	May	0.000038	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
40	June	0.000039	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00014	0.00018
40	July	0.000037	2.3	0.012	0.00000073	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
40	August	0.000036	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
40	September	0.000036	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
40	October	0.000037	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
40	November	0.000037	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
40	December	0.000037	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
41	January	0.000036	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00014	0.00018
41	February	0.000035	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
41	March	0.000035	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
41	April	0.000035	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
41	May	0.000037	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
41	June	0.000037	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00014	0.00018
41	July	0.000036	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
41	August	0.000035	2.3	0.012	0.00000071	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.000035	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
41	October	0.000035	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
41	November	0.000036	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
41	December	0.000036	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
42	January	0.000035	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00014	0.00018
42	February	0.000034	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
42	March	0.000034	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
42	April	0.000034	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
42	May	0.000036	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
42	June	0.000037	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00014	0.00018
42	July	0.000035	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
42	August	0.000034	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
42	September	0.000034	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
42	October	0.000035	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
42	November	0.000035	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
42	December	0.000035	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
43	January	0.000034	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
43	February	0.000033	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
43	March	0.000033	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
43	April	0.000033	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
43	May	0.000035	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000056	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
43	June	0.000036	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
43	July	0.000034	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
43	August	0.000033	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
43	September	0.000033	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
43	October	0.000034	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
43	November	0.000035	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
43	December	0.000034	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
44	January	0.000033	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
44	February	0.000033	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
44	March	0.000032	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
44	April	0.000033	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
44	May	0.000035	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
44	June	0.000035	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
44	July	0.000034	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
44	August	0.000033	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
44	September	0.000033	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
44	October	0.000033	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
44	November	0.000034	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
44	December	0.000034	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
45	January	0.000033	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
45	February	0.000032	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
45	March	0.000032	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
45	April	0.000032	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
45	May	0.000034	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
45	June	0.000035	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
45	July	0.000033	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
45	August	0.000032	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
45	September	0.000032	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
45	October	0.000033	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
45	November	0.000034	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
45	December	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
46	January	0.000032	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
46	February	0.000032	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
46	March	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
46	April	0.000032	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.000034	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
46	June	0.000035	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
46	July	0.000033	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
46	August	0.000032	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
46	September	0.000032	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
46	October	0.000033	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
46	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
46	December	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
47	January	0.000032	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
47	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
47	March	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
47	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
47	May	0.000034	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
47	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
47	July	0.000033	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
47	August	0.000032	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
47	September	0.000032	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
47	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
47	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
47	December	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
48	January	0.000032	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
48	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
48	March	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
48	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
48	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
48	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000056	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
48	July	0.000033	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
48	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
48	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
48	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
48	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
48	December	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
49	January	0.000032	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
49	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
49	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
49	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
49	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
49	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
49	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
49	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
49	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
49	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
49	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
49	December	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
50	January	0.000032	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
50	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
50	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
50	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
50	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
50	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
50	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
50	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
50	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
50	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
50	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
50	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.000031	2.3	0.012	0.00000074	0.00015	0.00029	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
51	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
51	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
51	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
51	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
51	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
51	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
51	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
51	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
51	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
51	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
51	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
52	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
52	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
52	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
52	April	0.000031	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
52	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
52	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
52	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
52	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
52	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
52	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
52	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
52	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
53	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
53	February	0.000031	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
53	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
53	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
53	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
53	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
53	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
53	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
53	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
53	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
53	November	0.000033	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
53	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
54	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
54	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
54	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
54	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
54	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
54	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
54	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
54	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
54	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
54	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
54	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
54	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
55	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
55	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
55	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
55	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
55	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
55	June	0.000034	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
55	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
55	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
55	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
55	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
55	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
56	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
56	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
56	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
56	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
56	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
56	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
56	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
56	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
56	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
56	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
56	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
56	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
57	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
57	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
57	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
57	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
57	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
57	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
57	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
57	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
57	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
57	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
57	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
57	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
58	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
58	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
58	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
58	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
58	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
58	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
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58	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
58	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
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58	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
58	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
59	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
59	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
59	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
59	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
59	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
59	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
59	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
59	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
59	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
59	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
59	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
59	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
60	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
60	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
60	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
60	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
60	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
60	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
60	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
60	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
60	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
60	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
60	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
61	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
61	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
61	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
61	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
61	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
61	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
61	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
61	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
61	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
61	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
61	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
61	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
62	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
62	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
62	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
62	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
62	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
62	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
62	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
62	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
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62	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
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63	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
63	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
63	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
63	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
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63	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
64	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
64	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
64	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
64	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
64	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
64	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
64	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
64	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
64	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
64	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
64	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
64	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
65	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
65	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
65	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
65	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
65	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
65	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
65	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
65	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
65	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
65	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
65	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
66	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
66	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
66	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
66	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
66	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
66	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
66	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
66	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
66	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
66	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
66	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
66	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
67	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
67	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
67	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
67	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
67	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
67	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
67	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
67	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
67	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
67	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
67	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
67	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
68	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
68	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
68	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
68	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
68	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
68	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
68	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
68	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
68	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
68	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
68	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
68	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
69	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
69	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
69	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
69	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
69	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
69	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
69	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
69	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018

Table G-18: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-5)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
69	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
69	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
69	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
70	January	0.000031	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
70	February	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000057	0.000063	0.00031	0.0015	0.00013	0.00018
70	March	0.00003	2.3	0.012	0.00000073	0.00015	0.00028	0.83	0.000086	0.0000057	0.0000051	0.000058	0.000062	0.00031	0.0015	0.00013	0.00018
70	April	0.00003	2.3	0.012	0.00000072	0.00015	0.00028	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000062	0.00031	0.0015	0.00013	0.00018
70	May	0.000033	2.3	0.012	0.00000073	0.00014	0.00029	0.83	0.000085	0.0000055	0.0000051	0.000056	0.000063	0.00032	0.0015	0.00013	0.00018
70	June	0.000033	2.4	0.012	0.00000074	0.00014	0.0003	0.83	0.000086	0.0000055	0.0000051	0.000056	0.000064	0.00033	0.0015	0.00013	0.00018
70	July	0.000032	2.3	0.012	0.00000072	0.00014	0.00029	0.82	0.000085	0.0000055	0.0000051	0.000056	0.000062	0.00032	0.0015	0.00013	0.00018
70	August	0.000031	2.3	0.012	0.00000071	0.00014	0.00028	0.82	0.000085	0.0000055	0.0000051	0.000056	0.00006	0.00031	0.0015	0.00013	0.00018
70	September	0.000031	2.3	0.012	0.00000072	0.00014	0.00028	0.82	0.000085	0.0000056	0.0000051	0.000056	0.000061	0.00031	0.0015	0.00013	0.00018
70	October	0.000032	2.3	0.012	0.00000073	0.00015	0.00029	0.83	0.000086	0.0000056	0.0000051	0.000057	0.000063	0.00032	0.0015	0.00013	0.00018
70	November	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000086	0.0000056	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018
70	December	0.000032	2.3	0.012	0.00000075	0.00015	0.00029	0.84	0.000087	0.0000057	0.0000051	0.000057	0.000065	0.00032	0.0015	0.00014	0.00018

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-6	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-6	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-5	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-4	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-3	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-2	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
-2	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-2	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
-1	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
-1	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
1	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
1	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
1	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
1	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
1	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
2	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
2	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
2	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
2	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
3	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
3	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
3	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
3	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
4	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
4	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
4	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
4	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
5	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
5	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
5	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
5	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
6	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
6	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
6	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
6	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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6	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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7	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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7	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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7	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
7	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
8	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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8	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
8	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
9	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
9	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
9	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
10	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
10	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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10	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
11	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
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11	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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12	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
12	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
12	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
12	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
12	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
13	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
13	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
13	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
13	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
13	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
14	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
14	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
15	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
15	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
16	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
16	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
17	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
17	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
18	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
18	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
18	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
18	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
19	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
19	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
20	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
20	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
21	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
21	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
22	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
22	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
23	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
23	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
23	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
24	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
24	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
25	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
25	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000016	7.3	0.0016	0.0006	0.0022	1.0
26	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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26	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
26	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.92	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.004	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
27	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
27	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
28	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
29	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
30	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
31	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
32	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
32	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
33	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
34	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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35	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
35	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
36	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
37	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
37	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
38	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
39	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
40	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
41	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
41	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
42	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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43	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
43	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
44	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
45	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
46	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
46	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
47	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
48	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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48	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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49	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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49	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
49	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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50	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
50	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
51	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
51	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
52	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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53	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
53	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
54	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
55	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
55	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
56	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
57	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
58	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
59	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
60	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
60	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
61	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
62	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
63	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
64	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
65	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
65	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
66	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
67	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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68	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
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68	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
68	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Chloride (mg/L)	Ammonia (as N; mg/L)	Nitrate (as N; mg/L)	Nitrite (as N; mg/L)	Phosphorus, Total (mg/L)	Sulphate (mg/L)	Cyanide, WAD (mg/L)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)
69	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
69	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	January	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	February	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	March	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	April	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	May	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	June	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	July	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	August	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	September	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	October	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	November	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0
70	December	26	0.025	0.015	0.0005	0.036	1.0	0.0014	0.91	0.0002	0.0039	0.000046	0.005	0.000015	7.3	0.0016	0.0006	0.0022	1.0

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-6	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-6	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-5	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-4	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	February	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	March	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	April	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-3	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-3	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-3	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	March	0.0003	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
-2	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-2	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
-2	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-2	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-2	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	March	0.0003	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
-1	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
-1	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
-1	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
-1	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
1	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
1	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
1	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
1	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
2	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
2	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
2	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
2	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
3	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
3	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
3	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
3	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
4	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
4	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
4	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
4	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
4	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
5	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
5	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
5	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
5	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
6	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
6	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
6	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
6	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
7	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
7	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
7	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
7	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
8	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
8	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
8	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
8	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
9	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
9	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
9	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
9	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
9	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
10	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
10	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
10	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
10	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
11	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
11	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
11	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
11	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
12	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
12	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
12	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
12	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
13	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
13	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
13	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
13	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
13	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
14	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
14	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
14	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
14	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
15	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
15	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
15	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
15	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
16	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
16	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
16	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
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16	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
16	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
17	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
17	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
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17	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
17	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
17	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
18	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
18	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
18	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
18	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
18	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
19	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
19	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
19	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
19	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
20	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
20	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
20	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
20	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
21	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
21	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
21	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
21	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
22	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
22	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
22	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
22	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
23	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
23	April	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
23	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
23	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
23	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
24	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
24	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
24	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
24	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
25	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
25	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
25	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
25	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	February	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	March	0.00029	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0033	0.0009	0.00022
26	April	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000052	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
26	May	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
26	July	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	August	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	September	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	October	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	November	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
26	December	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	January	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	February	0.00028	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	March	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0032	0.00089	0.00022
27	April	0.00027	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.0000051	0.00001	0.000067	0.00035	0.0015	0.0031	0.00089	0.00022
27	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
27	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
27	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
28	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
29	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
30	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
31	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
32	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
32	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
33	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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34	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
34	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
35	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
36	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
37	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
37	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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38	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
38	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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39	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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39	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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39	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
39	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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40	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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40	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
40	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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41	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
41	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
41	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
42	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
43	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
44	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
45	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
46	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
46	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
47	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
48	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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48	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
49	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
49	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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49	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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50	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
50	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
51	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
51	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
52	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
53	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
54	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
55	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
55	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
56	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
57	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
58	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
59	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
60	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
60	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
61	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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62	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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64	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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64	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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64	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
65	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
65	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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65	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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65	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
66	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
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67	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
67	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
68	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Table G-19: Tabulated Receiver Water Quality Model Results, Base Case, Unnamed Waterbodies and Watercourses (UN-6)

Year	Month	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Tungsten (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Zirconium (mg/L)	Ammonia, Un-ionized (as N; mg/L)
69	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
69	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	January	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	February	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	March	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	April	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	May	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	June	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	July	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	August	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	September	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	October	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	November	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022
70	December	0.00026	2.5	0.034	0.0000078	0.00015	0.0015	0.6	0.00015	0.000005	0.00001	0.000067	0.00035	0.0015	0.0031	0.00088	0.00022

Appendix H
Sensitivity Case Model Results, Summary Statistics Key Nodes

Table H-1: Extreme Dry Operations Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.7	7.0	6.9	8.6	7.0	6.7	5.8	7.8	7.8	7.6	6.6	6.6	6.9	8.7
Chloride	120	CCME	2.7	3.2	2.8	3.3	3.3	3.5	2.8	2.7	2.9	2.7	2.7	2.7	2.8	2.8	2.8	3.5
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.06	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.13	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00043	0.00048	0.00048	0.00052	0.00032	0.00031	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00043	0.00051
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0084	0.0055	0.0055	0.0070	0.0076	0.012	0.0094	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000097	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0084	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0065	0.0067	0.0083	0.0083	0.0062	0.0084
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000091	0.0000100	0.0000101	0.000014	0.0000079	0.0000070	0.0000087	0.0000117	0.0000105	0.0000169	0.0000089	0.0000087	0.0000099	0.000019
Calcium	-	-	11	12	11	12	12	12	10	10	11	9.0	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00048	0.00029	0.00037	0.00105	0.00043	0.00043	0.00050	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000093	0.000094	0.00013	0.00017	0.00017	0.00015	0.00011	0.00014	0.00024	0.00010	0.00011	0.00012	0.00023
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.00009	0.000047	0.000047	0.000050	0.00012	0.00012	0.00010	0.000099	0.00021	0.00015	0.000092	0.00009	0.000098	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.6	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0078	0.008	0.010	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000088	0.00000073	0.00000074	0.00000087	0.0000015	0.0000015	0.00000092	0.00000097	0.0000010	0.0000010	0.00000088	0.00000087	0.00000093	0.0000015
Molybdenum	31	SEQG	0.00021	0.00029	0.00023	0.00027	0.00028	0.00037	0.00026	0.00025	0.00027	0.00025	0.00030	0.00041	0.00024	0.00023	0.00027	0.00041
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0013	0.00095	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.020	0.042	0.057	0.023	0.023	0.025	0.057
Potassium	-	-	1.1	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.91	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00012	0.00014	0.00011	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.00013	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000020	0.0000062	0.0000060	0.0000061	0.0000064	0.000013	0.000028	0.000015	0.000015	0.000015	0.000028
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000056	0.0000040	0.0000041	0.0000129	0.0000106	0.0000100	0.0000063	0.0000057	0.0000064	0.0000097	0.0000052	0.0000061	0.0000073	0.0000132
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000080	0.000126	0.000104	0.000096	0.000100	0.000119	0.000118	0.000115	0.000070	0.000070	0.000097	0.00013
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00014	0.00010	0.00010	0.00011	0.00013	0.00012	0.00014	0.00013	0.00013	0.00013	0.00015
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00042	0.00063	0.00063	0.00078	0.00061	0.00074	0.00098	0.00056	0.00056	0.00059	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0014	0.0020	0.0015	0.002	0.0015	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00078	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00051	0.00070	0.00070	0.00061	0.00078
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.057	0.072	0.078	0.14	0.076	0.068	0.068	0.084	0.11	0.099	0.058	0.055	0.074	0.14
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00049	0.00062	0.00067	0.00117	0.00065	0.00058	0.00058	0.00072	0.00094	0.00085	0.00049	0.00048	0.00063	0.00117
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0086	0.0094	0.0098	0.012	0.0027	0.0024	0.0022	0.0027	0.0078	0.0082	0.0086	0.0085	0.0083	0.012
Nitrate (as N)	3	CCME	0.034	0.13	0.073	0.18	0.19	0.28	0.110	0.096	0.091	0.12	0.13	0.16	0.074	0.070	0.11	0.28
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0028	0.0028	0.0028	0.0030	0.0007	0.0007	0.0018	0.0018	0.0021	0.0021	0.0028	0.0028	0.0026	0.0030

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-2: Extreme Dry Operations Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.2	6.6	6.3	5.5	7.3	7.5	7.3	6.3	6.4	6.6	8.3
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.065	0.065	0.066	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.13	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.0000098	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.008	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0082	0.0082	0.0061	0.0083
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000100	0.0000101	0.0000101	0.000014	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.0000162	0.0000094	0.0000093	0.0000100	0.000018
Calcium	-	-	11	12	12	12	12	12	10	10	11	9.1	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00014	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000063	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.009	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000079	0.00000079	0.00000092	0.0000015	0.0000015	0.0000010	0.0000010	0.0000011	0.0000010	0.00000092	0.00000090	0.0000010	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00027	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00094	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000041	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000056	0.0000064	0.0000095	0.0000052	0.0000060	0.0000072	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000077	0.000120	0.000100	0.000091	0.000095	0.000113	0.000115	0.000112	0.000067	0.000068	0.000093	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.060	0.073	0.078	0.13	0.074	0.066	0.067	0.082	0.11	0.097	0.058	0.056	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00051	0.00063	0.00068	0.00113	0.00064	0.00057	0.00058	0.00071	0.00092	0.00083	0.00050	0.00048	0.00063	0.00115
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0090	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0033	0.0079	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.073	0.18	0.19	0.28	0.104	0.091	0.086	0.11	0.13	0.15	0.074	0.070	0.11	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0019	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-3: Extreme Dry Operations Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.1	1.9	2.6	1.9	3.3
Chloride	120	CCME	0.51	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.8	FEQG	0.14	0.21	0.15	0.12	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.15	0.19
Antimony	0.02	iPWQO	0.00039	0.00042	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00047
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0024	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000022	0.0000088	0.0000094	0.0000084	0.0000058	0.0000054	0.0000093	0.000010	0.0000041	0.0000044	0.000021	0.000022	0.0000092	0.000022
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00041	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.49	0.58	0.47	0.48	0.48	0.47	0.46	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00026	0.00026	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00024	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00030
Nickel	0.025	CCME	0.00072	0.00086	0.00087	0.00070	0.00070	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00015	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00021	0.00024	0.00022	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00082	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00077	0.00070	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0025	0.0024	0.0017	0.0017	0.0021	0.0022	0.0016	0.0016	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00093	0.00094	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.095	0.10	0.11	0.081	0.055	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00082	0.00087	0.00092	0.00070	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00060	0.00078	0.00060	0.00096
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0087	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.064	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-4: Extreme Dry Operations Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.0	2.1	2.2	1.8	1.5	1.2	1.3	1.4	1.4	1.6	1.5	1.8	1.5	2.3
Chloride	120	CCME	0.91	1.6	1.3	0.75	1.1	1.0	0.60	0.57	0.80	0.75	0.70	0.75	1.2	1.3	0.78	1.3
Aluminum	0.73	FEQG	0.22	0.29	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.20	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00028	0.00033	0.00039	0.00039	0.00039	0.00036	0.00022	0.00022	0.00039	0.00035	0.00022	0.00027	0.00037	0.00037	0.00036	0.00040
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0020	0.0024	0.0025	0.0024	0.0020	0.0019	0.0031	0.0033	0.0024	0.0023	0.0022	0.0020	0.0024	0.0033
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000014	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000020	0.000014	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0059	0.0060	0.0057	0.0060
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000022	0.000011	0.0000093	0.0000087	0.0000061	0.0000057	0.0000093	0.0000093	0.0000050	0.0000047	0.000018	0.000019	0.0000093	0.000022
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00067	0.00071	0.00069	0.00060	0.00060	0.00078	0.00068	0.00050	0.00054	0.00050	0.00047	0.00060	0.00078
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.59	0.75	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.58	0.46	0.47	0.50	0.47	0.52	0.61
Lead	0.017	FEQG	0.00018	0.00022	0.00025	0.00025	0.00027	0.00025	0.00021	0.00020	0.00024	0.00025	0.00019	0.00020	0.00023	0.00023	0.00024	0.00027
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.1	3.1	3.1	3.4	3.5	3.1	3.5	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.026	0.045	0.048	0.047	0.022	0.022	0.047	0.051	0.024	0.025	0.022	0.021	0.025	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000016	0.0000016	0.0000016	0.0000015	0.0000019	0.0000019	0.0000018	0.0000017	0.0000016	0.0000015	0.0000016	0.0000014	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00026	0.00031	0.00028	0.00029	0.00027	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00027	0.00025	0.00025	0.00026	0.00029
Nickel	0.025	CCME	0.00087	0.00093	0.00087	0.00073	0.00079	0.00076	0.00071	0.00070	0.00084	0.00082	0.00076	0.00075	0.00087	0.00083	0.00079	0.00087
Phosphorus	0.03	iPWQO	0.034	0.036	0.036	0.027	0.028	0.028	0.035	0.036	0.022	0.024	0.032	0.031	0.036	0.036	0.031	0.036
Potassium	-	-	1.2	1.4	1.2	1.3	1.3	1.3	1.1	1.1	1.0	1.1	1.0	1.1	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00032	0.00017	0.00023	0.00014	0.00014	0.00011	0.00011	0.00011	0.00011	0.000090	0.000086	0.000074	0.000072	0.00011	0.00023
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000021	0.000013	0.000013	0.000023	0.000021	0.000014	0.000015	0.000023	0.000020	0.000021	0.000023
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000042	0.0000042	0.0000042	0.0000042	0.0000051	0.0000050	0.0000048	0.0000039	0.0000055	0.0000059	0.0000048	0.0000042	0.0000047	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000027	0.000035	0.000036	0.000035	0.000040	0.000038	0.000024	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00024	0.00035	0.00028	0.00025	0.00021	0.00020	0.00020	0.00020	0.00016	0.00018	0.00019	0.00022	0.00024	0.00023	0.00021	0.00028
Vanadium	0.12	FEQG	0.0010	0.0012	0.00089	0.00084	0.00085	0.00084	0.00098	0.00098	0.00095	0.00093	0.00081	0.00085	0.00088	0.00085	0.00088	0.0010
Zinc	0.03	CCME	0.0016	0.0024	0.0017	0.0024	0.0025	0.0024	0.0018	0.0017	0.0023	0.0021	0.0016	0.0017	0.0015	0.0015	0.0018	0.0025
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00089	0.00089	0.00091	0.00086	0.00061	0.00061	0.00093	0.00084	0.00062	0.00066	0.00092	0.00083	0.00086	0.00093
Ammonia, Total (as N)	1.8	CCME	0.049	0.098	0.096	0.10	0.084	0.070	0.050	0.043	0.057	0.058	0.063	0.066	0.060	0.070	0.063	0.10
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00083	0.00086	0.00072	0.00060	0.00043	0.00037	0.00049	0.00050	0.00054	0.00057	0.00052	0.00060	0.00054	0.00088
Nitrite (as N)	0.06	CCME	0.011	0.015	0.015	0.015	0.015	0.014	0.0073	0.0069	0.014	0.012	0.0089	0.0089	0.014	0.013	0.013	0.015
Nitrate (as N)	3	CCME	0.059	0.19	0.079	0.18	0.19	0.18	0.027	0.022	0.029	0.028	0.049	0.054	0.064	0.066	0.063	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0039	0.0039	0.0039	0.0037	0.0020	0.0020	0.0026	0.0040	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-5: Extreme Dry Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	5.1	5.2	5.2	5.2	4.9	4.5	4.4	4.4	4.7	4.9	5.0	5.1	4.9	5.5
Chloride	120	CCME	1.8	1.9	2.0	2.0	2.0	2.1	2.0	1.8	1.7	1.8	1.9	1.9	1.9	2.0	1.9	2.1
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00028	0.00028	0.00029	0.00029	0.00028	0.00025	0.00023	0.00024	0.00025	0.00026	0.00027	0.00027	0.00027	0.00030
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0056	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000011	0.000011	0.000012	0.000012	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0062	0.0064	0.0065	0.0065	0.0062	0.0056	0.0053	0.0054	0.0056	0.0057	0.0058	0.0060	0.0059	0.0065
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000083	0.0000084	0.0000085	0.0000085	0.0000081	0.0000072	0.0000066	0.0000066	0.0000070	0.0000073	0.0000078	0.0000081	0.0000079	0.0000104
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	12	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00058	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000011	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00022	0.00024	0.00027	0.00027	0.00027	0.00027	0.00026	0.00024	0.00023	0.00024	0.00025	0.00025	0.00026	0.00027	0.00026	0.00027
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.029	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000011	0.000011	0.000012	0.000011	0.000010	0.0000085	0.0000079	0.0000077	0.0000079	0.0000088	0.000010	0.000010	0.000012
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000066	0.0000066	0.0000066	0.0000065	0.0000065	0.0000066	0.0000068	0.0000070	0.0000071	0.0000071	0.0000070	0.0000070	0.0000069	0.0000077
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000084	0.000083	0.000082	0.000080	0.000075	0.000070	0.000070	0.000073	0.000077	0.000081	0.000084	0.000084	0.000080	0.00009
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00079	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00046	0.00040	0.00035	0.00034	0.00035	0.00036	0.00037	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.057	0.056	0.056	0.055	0.053	0.049	0.047	0.048	0.050	0.053	0.056	0.057	0.054	0.059
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00049	0.00048	0.00048	0.00048	0.00046	0.00042	0.00040	0.00041	0.00043	0.00046	0.00048	0.00049	0.00046	0.00051
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0040	0.0043	0.0046	0.0048	0.0049	0.0041	0.0034	0.0031	0.0029	0.0030	0.0033	0.0037	0.0038	0.0049
Nitrate (as N)	3	CCME	0.024	0.035	0.077	0.076	0.076	0.078	0.081	0.077	0.072	0.071	0.072	0.074	0.077	0.078	0.076	0.084
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0015	0.0016	0.0016	0.0017	0.0017	0.0014	0.0012	0.0011	0.0012	0.0012	0.0013	0.0014	0.0014	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-6: Extreme Dry Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.0	6.1	6.1	6.1	5.1	5.1	4.0	5.3	5.2	5.1	6.0	6.0	5.7	6.1
Chloride	120	CCME	2.7	3.2	2.7	3.2	3.2	3.3	2.6	2.6	2.7	2.5	2.5	2.5	2.7	2.7	2.7	3.3
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.059	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00035	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0077	0.012	0.0095	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000094	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0080	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0053	0.0057	0.0080	0.0080	0.0050	0.0080
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000068	0.0000071	0.0000071	0.0000071	0.0000025	0.0000025	0.0000036	0.0000046	0.0000031	0.0000100	0.0000068	0.0000068	0.0000068	0.0000100
Calcium	-	-	11	12	11	12	12	12	10	10	10	8.4	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00047	0.00029	0.00037	0.0011	0.00043	0.00043	0.00049	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000090	0.000090	0.000091	0.00014	0.00014	0.00014	0.000091	0.00011	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.000091	0.000045	0.000045	0.000045	0.00012	0.00012	0.000098	0.000095	0.00021	0.00015	0.000091	0.000091	0.000093	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.5	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0079	0.0078	0.0095	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000082	0.00000065	0.00000065	0.00000066	0.0000013	0.0000013	0.00000078	0.00000079	0.00000082	0.00000082	0.00000082	0.00000082	0.00000082	0.0000013
Molybdenum	31	SEQG	0.00021	0.00029	0.00021	0.00025	0.00025	0.00025	0.00018	0.00018	0.00022	0.00017	0.00022	0.00033	0.00021	0.00021	0.00021	0.00033
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0012	0.00094	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.021	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1	1.1	1.1	1.1	1.1	1.1	0.99	0.99	0.98	0.84	0.99	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00012	0.00012	0.00010	0.00010	0.00010	0.00010	0.00010	0.00012	0.000090	0.00011	0.0001	0.00012	0.00012	0.00010	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000018	0.000018	0.000018	0.0000050	0.0000050	0.0000050	0.0000050	0.000012	0.000027	0.000015	0.000015	0.000015	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000038	0.0000050	0.0000050	0.0000050	0.0000050	0.0000042	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000047	0.000047	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00012	0.000093	0.000092	0.00010	0.00012	0.00011	0.00013	0.00013	0.00013	0.00012	0.00013
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00041	0.00062	0.00062	0.00078	0.00060	0.00073	0.00098	0.00056	0.00056	0.00058	0.00098
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0013	0.0020	0.0015	0.0015	0.0015	0.0020
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00079	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00052	0.00070	0.00070	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.03400	0.04595	0.04594	0.04589	0.01425	0.01423	0.02058	0.022260	0.03898	0.0303	0.03399	0.03400	0.034	0.046
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00029	0.00040	0.00040	0.00039	0.00012	0.00012	0.00018	0.00019	0.00034	0.00026	0.00029	0.00029	0.00029	0.00040
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0077	0.0085	0.0085	0.0085	0.00051	0.00050	0.00050	0.00050	0.0053	0.0058	0.0077	0.0077	0.0068	0.0085
Nitrate (as N)	3	CCME	0.034	0.13	0.034	0.13	0.13	0.13	0.0073	0.0073	0.012	0.013	0.015	0.042	0.034	0.034	0.034	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0027	0.0027	0.0027	0.0027	0.00050	0.00050	0.0017	0.0017	0.0020	0.0020	0.0027	0.0027	0.0024	0.0027

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-7: Extreme Dry Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.063	0.063	0.064	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.11	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000095	0.000031	0.000012	0.000012	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0079	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000079	0.0000075	0.0000074	0.0000083	0.0000035	0.0000034	0.0000043	0.0000054	0.0000039	0.0000103	0.0000075	0.0000076	0.0000074	0.0000103
Calcium	-	-	11	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00043	0.00043	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.00005	0.000053	0.000053	0.00012	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00009	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.012	0.015	0.0091	0.011	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0087	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000089	0.00000074	0.00000074	0.00000081	0.0000014	0.0000014	0.00000089	0.00000089	0.00000091	0.00000091	0.00000088	0.00000087	0.00000089	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00022	0.00025	0.00025	0.00027	0.00019	0.00019	0.00023	0.00019	0.00023	0.00034	0.00021	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00093	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.042	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.87	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.000094	0.00011	0.0001	0.00012	0.00012	0.00011	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000019	0.0000058	0.0000058	0.0000065	0.0000063	0.000012	0.000026	0.000015	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000049	0.000050	0.000050	0.000053	0.000052	0.000051	0.000049	0.000051	0.000049	0.000049	0.000049	0.000050	0.000050	0.000053
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00080	0.00027	0.00027	0.00048	0.00047	0.00042	0.00053	0.00071	0.00071	0.00062	0.00080
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.03663	0.04790	0.04658	0.04649	0.01595	0.01598	0.02291	0.024351	0.03979	0.0316	0.03475	0.03493	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00031	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0081	0.0088	0.0088	0.0087	0.00094	0.00096	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.037	0.14	0.14	0.14	0.009	0.009	0.013	0.014	0.017	0.042	0.036	0.036	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0028	0.0028	0.0028	0.0028	0.00061	0.00062	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-8: Extreme Dry Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.8	1.9	2.0	1.9	1.2	1.1	1.2	1.4	1.5	1.4	1.2	1.7	1.4	2.0
Chloride	120	CCME	0.5	1.2	1.4	0.7	0.7	0.8	0.56	0.50	0.57	0.64	0.71	0.70	1.2	1.4	0.7	1.4
Aluminum	0.8	FEQG	0.14	0.21	0.13	0.10	0.099	0.10	0.17	0.17	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.17
Antimony	0.02	iPWQO	0.00039	0.00042	0.00043	0.00044	0.00044	0.00040	0.00024	0.00024	0.00040	0.00040	0.00025	0.00025	0.00039	0.00042	0.00040	0.00044
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0018	0.0022	0.0022	0.0022	0.0018	0.0018	0.0031	0.0030	0.0020	0.0020	0.0019	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000011	0.000011	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0069	0.0067	0.0068	0.0066	0.0058	0.0057	0.0061	0.0063	0.0060	0.0060	0.0063	0.0068	0.0063	0.0069
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000020	0.0000060	0.0000060	0.0000058	0.0000046	0.0000045	0.0000082	0.0000081	0.0000027	0.0000027	0.000019	0.000019	0.0000060	0.000020
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00063	0.00063	0.00064	0.00055	0.00054	0.00069	0.00069	0.00045	0.00045	0.00043	0.00045	0.00055	0.00069
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00017	0.00018	0.00018	0.00017	0.00013	0.00012	0.00018	0.00018	0.00013	0.00013	0.00014	0.00016	0.00016	0.00018
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00093	0.00093	0.00080	0.00079	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.49	0.58	0.45	0.46	0.46	0.42	0.43	0.44	0.53	0.52	0.36	0.36	0.44	0.45	0.45	0.53
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00015	0.00019	0.00019	0.00011	0.00011	0.00016	0.00016	0.00015	0.00019
Magnesium	-	-	3.3	4.2	3.1	4.1	4.0	3.8	2.9	2.9	3.3	3.2	2.8	2.8	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.021	0.045	0.044	0.040	0.019	0.019	0.043	0.043	0.017	0.017	0.020	0.021	0.021	0.045
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000016	0.0000016	0.0000017	0.0000019	0.0000017	0.0000016	0.0000015	0.0000016	0.0000018	0.0000017	0.0000014	0.0000016	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00024	0.00026	0.00032	0.00034	0.00035	0.00047	0.00032	0.00028	0.00032	0.00037	0.00039	0.00038	0.00026	0.00030	0.00033	0.00047
Nickel	0.025	CCME	0.00072	0.00086	0.00085	0.00068	0.00067	0.00064	0.00062	0.00063	0.00073	0.00073	0.00064	0.00063	0.00081	0.00084	0.00068	0.00085
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.025	0.024	0.024	0.034	0.035	0.019	0.019	0.028	0.028	0.036	0.036	0.028	0.036
Potassium	-	-	1.1	1.2	1.3	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.4
Selenium	0.002	BC WQG	0.00011	0.00015	0.000083	0.00017	0.00017	0.00017	0.00012	0.00012	0.00012	0.00013	0.00011	0.00011	0.000069	0.000080	0.00012	0.00017
Silver	0.00025	CCME	0.000023	0.000024	0.000024	0.000024	0.000024	0.000023	0.000015	0.000015	0.000023	0.000023	0.000015	0.000015	0.000022	0.000024	0.000023	0.000024
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000041	0.0000041	0.0000042	0.0000044	0.0000052	0.0000051	0.0000037	0.0000039	0.0000058	0.0000058	0.0000040	0.0000041	0.0000041	0.0000058
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000035	0.000047	0.000049	0.000064	0.000054	0.000048	0.000028	0.000036	0.000060	0.000059	0.000024	0.000033	0.000048	0.000064
Uranium	0.015	CCME	0.00021	0.00024	0.00026	0.00023	0.00024	0.00028	0.00025	0.00024	0.00018	0.00020	0.00025	0.00024	0.00023	0.00025	0.00024	0.00028
Vanadium	0.12	FEQG	0.00082	0.0010	0.00085	0.00080	0.00081	0.00092	0.00101	0.00099	0.00083	0.00087	0.00085	0.00084	0.00080	0.00084	0.00085	0.00101
Zinc	0.03	CCME	0.0016	0.0021	0.0011	0.0020	0.0020	0.0021	0.0016	0.0016	0.0020	0.0020	0.0014	0.0014	0.0011	0.0011	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00095	0.00096	0.00095	0.00088	0.00060	0.00060	0.00089	0.00089	0.00061	0.00061	0.00087	0.00093	0.00089	0.0010
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.054696	0.05603	0.05674	0.05148	0.02956	0.02896	0.04726	0.04855	0.04901	0.04860	0.046675	0.053301	0.049	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00047	0.00048	0.00049	0.00044	0.00025	0.00025	0.00041	0.00042	0.00042	0.00042	0.00040	0.00046	0.00042	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0063	0.0065	0.013	0.012	0.0065	0.0064	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.066	0.19	0.19	0.17	0.024	0.022	0.028	0.029	0.051	0.050	0.063	0.065	0.057	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0044	0.0044	0.0044	0.0039	0.0019	0.0019	0.0020	0.0042	0.0041	0.0040	0.0042	0.0044	0.0041	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-9: Extreme Dry Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.8	1.9	1.9	2.7	1.8	1.6	1.5	1.8	2.1	2.1	1.3	1.6	1.8	2.7
Chloride	120	CCME	0.9	1.6	1.4	0.9	1.2	1.4	0.8	0.7	0.9	0.9	1.0	1.0	1.3	1.4	1.0	1.4
Aluminum	0.73	FEQG	0.22	0.29	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00028	0.00033	0.00040	0.00040	0.00040	0.00042	0.00026	0.00026	0.00041	0.00038	0.00028	0.00032	0.00037	0.00038	0.00038	0.00042
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0019	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0023	0.0021	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000021	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0065	0.0063	0.0063	0.0064	0.0058	0.0058	0.0061	0.0061	0.0062	0.0060	0.0061	0.0064	0.0061	0.0065
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000024	0.000013	0.000011	0.000023	0.000015	0.000013	0.000014	0.000015	0.000016	0.000015	0.000019	0.000020	0.000015	0.000024
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00066	0.00070	0.00066	0.00060	0.00060	0.00076	0.00067	0.00050	0.00053	0.00049	0.00046	0.00060	0.00076
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00022	0.00022	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00088	0.00085	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.59	0.75	0.48	0.49	0.56	0.50	0.47	0.48	0.58	0.55	0.42	0.43	0.48	0.46	0.48	0.58
Lead	0.017	FEQG	0.00018	0.00022	0.00017	0.00016	0.000164	0.000152	0.000152	0.00016	0.00020	0.00019	0.00013	0.00013	0.00016	0.00016	0.00016	0.00020
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.0	3.1	3.1	3.3	3.5	3.1	3.4	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.027	0.046	0.049	0.048	0.024	0.024	0.047	0.051	0.026	0.027	0.022	0.022	0.027	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000019	0.0000019	0.0000020	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000018	0.0000017	0.0000022	0.0000026
Molybdenum	31	SEQG	0.00026	0.00031	0.00032	0.00034	0.00033	0.00047	0.00033	0.00029	0.00032	0.00036	0.00041	0.00042	0.00028	0.00029	0.00033	0.00047
Nickel	0.025	CCME	0.00087	0.00093	0.00088	0.00075	0.00081	0.0009	0.00078	0.00076	0.00086	0.00086	0.0008	0.00083	0.00087	0.00085	0.00084	0.0009
Phosphorus	0.03	iPWQO	0.034	0.036	0.035	0.026	0.028	0.026	0.033	0.034	0.022	0.023	0.030	0.029	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00032	0.00019	0.00026	0.00017	0.00022	0.00016	0.00015	0.00014	0.00015	0.00015	0.00015	0.000091	0.00010	0.00015	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000016	0.000015	0.000024	0.000022	0.000017	0.000018	0.000024	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000043	0.0000044	0.0000044	0.0000050	0.0000054	0.0000053	0.0000050	0.0000043	0.0000059	0.0000062	0.0000049	0.0000043	0.0000049	0.0000062
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000041	0.000050	0.000053	0.000086	0.000069	0.000062	0.000040	0.000057	0.000086	0.000091	0.000037	0.000043	0.000055	0.000091
Uranium	0.015	CCME	0.00024	0.00035	0.00031	0.00029	0.00025	0.00030	0.00026	0.00025	0.00020	0.00023	0.00026	0.00029	0.00025	0.00026	0.00026	0.00031
Vanadium	0.12	FEQG	0.0010	0.0012	0.00092	0.00088	0.00089	0.00097	0.00105	0.00104	0.00099	0.0010	0.00092	0.00095	0.00089	0.00088	0.00094	0.0011
Zinc	0.03	CCME	0.0016	0.0024	0.0015	0.0022	0.0023	0.0029	0.0021	0.0020	0.0024	0.0023	0.0020	0.0020	0.0014	0.0014	0.0021	0.0029
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00091	0.00092	0.00094	0.0010	0.00069	0.00067	0.00095	0.00089	0.00072	0.00075	0.00092	0.00085	0.00090	0.0010
Ammonia, Total (as N)	1.8	CCME	0.049	0.10	0.07348	0.07437	0.05602	0.05385	0.03657	0.03619	0.05122	0.05094	0.05219	0.05098	0.047480	0.04940	0.051	0.074
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00063	0.00064	0.00048	0.00046	0.00031	0.00031	0.00044	0.00044	0.00045	0.00044	0.00041	0.00042	0.00044	0.00064
Nitrite (as N)	0.06	CCME	0.011	0.015	0.012	0.012	0.013	0.011	0.0061	0.0062	0.013	0.011	0.0078	0.0075	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.059	0.19	0.076	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.049	0.054	0.063	0.064	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0038	0.0038	0.0038	0.0034	0.0019	0.0020	0.0025	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**

2 Guideline corresponds to Cr(III)

3 the PWQO is for free cyanide

All units mg/L.

- value not available

Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life

WAD Cyanide: weak acid dissociable cyanide

PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.

CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.

FEQG: Federal Environmental Quality Guidelines

BC WQG: British Columbia Water Quality Guidelines

SEQG: Saskatchewan Environmental Quality Guidelines

Table H-10: Extreme Dry Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Dry Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	3.8	4.2	4.0	4.1	4.2	4.3	4.1	3.7	3.6	3.6	3.7	3.8	3.9	3.9	3.9	4.3
Chloride	120	CCME	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8	2.0
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00025	0.00026	0.00026	0.00027	0.00026	0.00022	0.00021	0.00021	0.00022	0.00023	0.00024	0.00024	0.00024	0.00027
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0054	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.00001	0.000011	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0057	0.0059	0.0060	0.0061	0.0058	0.0052	0.0050	0.0050	0.0052	0.0053	0.0053	0.0055	0.0054	0.0061
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000054	0.0000056	0.0000058	0.0000059	0.0000058	0.0000051	0.0000046	0.0000044	0.0000045	0.0000046	0.0000048	0.0000051	0.0000051	0.0000059
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	11	11	12	11	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00057	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00054	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.26	0.26	0.26	0.24	0.23	0.23	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00012	0.00013	0.00013	0.00012	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000011	0.0000011	0.0000011	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012
Molybdenum	31	SEQG	0.00022	0.00024	0.00023	0.00024	0.00024	0.00024	0.00023	0.00021	0.00020	0.00020	0.00021	0.00022	0.00022	0.00023	0.00022	0.00024
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.030	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00011	0.00010	0.00011	0.00011	0.00011	0.00010	0.00009	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000010	0.000011	0.000011	0.000011	0.0000095	0.0000081	0.0000075	0.0000073	0.0000074	0.0000082	0.0000092	0.0000092	0.000011
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000053	0.0000054	0.0000054	0.0000054	0.0000050	0.0000046	0.0000046	0.0000047	0.0000049	0.0000050	0.0000051	0.0000053	0.0000051	0.0000054
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000052	0.000053	0.000053	0.000053	0.000051	0.000047	0.000047	0.000048	0.000050	0.000051	0.000052	0.000052	0.000051	0.000053
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012	0.00011	0.00010	0.00011	0.00011	0.00011	0.00011	0.00012	0.00011	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00077	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00047	0.00041	0.00036	0.00035	0.00036	0.00037	0.00038	0.00039	0.00039	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.02399	0.02483	0.02569	0.02664	0.02630	0.02298	0.02025	0.01949	0.01985	0.02082	0.02197	0.02301	0.023	0.027
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00021	0.00021	0.00022	0.00023	0.00023	0.00020	0.00017	0.00017	0.00017	0.00018	0.00019	0.00020	0.00020	0.00023
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0028	0.0032	0.0035	0.0038	0.0039	0.0032	0.0025	0.0020	0.0018	0.0019	0.0021	0.0024	0.0026	0.0039
Nitrate (as N)	3	CCME	0.024	0.035	0.023	0.024	0.026	0.031	0.037	0.034	0.028	0.024	0.022	0.021	0.021	0.022	0.024	0.037
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0014	0.0015	0.0016	0.0017	0.0016	0.0013	0.0011	0.0010	0.0011	0.0012	0.0012	0.0013	0.0013	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-11: Extreme Wet Operations Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.7	6.9	6.9	8.6	6.8	6.6	5.7	7.8	7.7	7.4	6.6	6.6	6.9	8.4
Chloride	120	CCME	2.7	3.2	2.8	3.3	3.3	3.5	2.8	2.7	2.9	2.7	2.7	2.7	2.8	2.8	2.8	3.5
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.06	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00043	0.00048	0.00048	0.00052	0.00032	0.00031	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00043	0.00051
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0076	0.012	0.0094	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000097	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0084	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0083	0.0083	0.0061	0.0084
Cadmium	0.000067	CCME	0.0000068	0.000008	0.0000091	0.0000099	0.0000101	0.000014	0.0000079	0.0000070	0.0000087	0.0000117	0.0000105	0.0000169	0.0000089	0.0000087	0.0000097	0.00002
Calcium	-	-	11	12	11	12	12	12	10	10	11	9.0	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00048	0.00029	0.00037	0.00105	0.00043	0.00043	0.00050	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000093	0.000094	0.00013	0.00017	0.00017	0.00015	0.00011	0.00013	0.00024	0.00010	0.00011	0.00012	0.00023
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.00009	0.000047	0.000047	0.000050	0.00012	0.00012	0.00010	0.000099	0.00021	0.00015	0.000092	0.00009	0.000097	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.6	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0078	0.008	0.010	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000088	0.00000072	0.00000074	0.00000087	0.0000015	0.0000015	0.00000092	0.00000097	0.0000010	0.0000010	0.00000088	0.00000087	0.00000092	0.0000015
Molybdenum	31	SEQG	0.00021	0.00029	0.00023	0.00027	0.00028	0.00037	0.00026	0.00025	0.00027	0.00025	0.00030	0.00041	0.00024	0.00023	0.00027	0.00041
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0013	0.00095	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.020	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1.1	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.91	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00012	0.00013	0.00011	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.00013	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000020	0.0000061	0.0000060	0.0000060	0.0000064	0.000013	0.000028	0.000015	0.000015	0.000015	0.000028
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000056	0.0000040	0.0000041	0.0000129	0.0000106	0.0000100	0.0000063	0.0000063	0.0000054	0.0000083	0.0000052	0.0000061	0.0000072	0.0000132
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000079	0.000126	0.000104	0.000096	0.000100	0.000119	0.000118	0.000115	0.000070	0.000070	0.000096	0.00012
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00014	0.00010	0.00010	0.00011	0.00013	0.00012	0.00014	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00042	0.00063	0.00063	0.00078	0.00061	0.00074	0.00098	0.00056	0.00056	0.00059	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0014	0.0020	0.0015	0.002	0.0015	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00078	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00051	0.00070	0.00070	0.00061	0.00078
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.056	0.071	0.076	0.14	0.076	0.068	0.068	0.084	0.10	0.098	0.058	0.055	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00048	0.00061	0.00065	0.00116	0.00065	0.00058	0.00058	0.00072	0.00088	0.00084	0.00049	0.00048	0.00063	0.00113
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0085	0.0094	0.0097	0.012	0.0027	0.0024	0.0022	0.0027	0.0076	0.0081	0.0086	0.0085	0.0083	0.012
Nitrate (as N)	3	CCME	0.034	0.13	0.071	0.18	0.19	0.28	0.110	0.096	0.090	0.12	0.12	0.15	0.074	0.070	0.11	0.28
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0028	0.0028	0.0028	0.0030	0.0007	0.0007	0.0018	0.0018	0.0021	0.0021	0.0028	0.0028	0.0025	0.0030

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-12: Extreme Wet Operations Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.1	6.5	6.2	5.4	7.3	7.4	7.1	6.3	6.4	6.6	8.0
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.064	0.065	0.066	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.13	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.0000098	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.008	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0060	0.0064	0.0067	0.0082	0.0082	0.0061	0.0082
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000100	0.0000100	0.0000101	0.000014	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.0000162	0.0000094	0.0000093	0.0000099	0.000017
Calcium	-	-	11	12	12	12	12	12	10	10	11	9.1	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00013	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.17	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000062	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.009	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000078	0.00000079	0.00000091	0.0000015	0.0000015	0.0000010	0.0000010	0.0000010	0.0000010	0.00000092	0.00000090	0.0000010	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00026	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00094	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000040	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000061	0.0000054	0.0000082	0.0000052	0.0000060	0.0000071	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000076	0.000120	0.000100	0.000091	0.000094	0.000113	0.000114	0.000111	0.000067	0.000068	0.000091	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.058	0.073	0.076	0.13	0.074	0.066	0.067	0.082	0.10	0.096	0.058	0.056	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00050	0.00063	0.00066	0.00112	0.00063	0.00056	0.00058	0.00071	0.00086	0.00083	0.00050	0.00048	0.00062	0.00109
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0089	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0033	0.0076	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.071	0.18	0.19	0.28	0.104	0.090	0.086	0.11	0.12	0.15	0.074	0.070	0.11	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0020	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-13: Extreme Wet Operations Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.1	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.51	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.8	FEQG	0.14	0.21	0.15	0.12	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00039	0.00042	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0024	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000022	0.0000088	0.0000093	0.0000084	0.0000058	0.0000054	0.0000093	0.000010	0.0000041	0.0000044	0.000021	0.000022	0.0000088	0.000022
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00041	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.49	0.58	0.47	0.48	0.48	0.47	0.46	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00026	0.00026	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00024	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00025	0.00030
Nickel	0.025	CCME	0.00072	0.00086	0.00087	0.00070	0.00070	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00015	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00021	0.00024	0.00022	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00082	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00077	0.00070	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0025	0.0024	0.0017	0.0017	0.0021	0.0022	0.0016	0.0016	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00093	0.00094	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00093
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.095	0.10	0.11	0.081	0.055	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00082	0.00087	0.00092	0.00070	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00060	0.00078	0.00059	0.00092
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0087	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-14: Extreme Wet Operations Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.0	2.1	2.2	1.8	1.5	1.2	1.3	1.4	1.4	1.6	1.5	1.8	1.5	2.2
Chloride	120	CCME	0.91	1.6	1.3	0.75	1.1	1.0	0.60	0.57	0.80	0.75	0.70	0.75	1.2	1.3	0.77	1.3
Aluminum	0.73	FEQG	0.22	0.29	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.20	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00028	0.00033	0.00039	0.00039	0.00039	0.00036	0.00022	0.00022	0.00039	0.00035	0.00022	0.00027	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0020	0.0024	0.0025	0.0024	0.0020	0.0019	0.0031	0.0033	0.0024	0.0023	0.0022	0.0020	0.0023	0.0033
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000014	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0059	0.0060	0.0057	0.0060
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000022	0.000011	0.0000093	0.0000087	0.0000061	0.0000057	0.0000093	0.0000093	0.0000050	0.0000047	0.000018	0.000019	0.0000093	0.000022
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00067	0.00071	0.00069	0.00060	0.00060	0.00078	0.00068	0.00050	0.00053	0.00050	0.00047	0.00060	0.00078
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0010	0.0012
Iron	0.8	FEQG	0.59	0.75	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.58	0.46	0.47	0.50	0.47	0.51	0.61
Lead	0.017	FEQG	0.00018	0.00022	0.00025	0.00025	0.00027	0.00025	0.00021	0.00020	0.00024	0.00025	0.00019	0.00020	0.00023	0.00023	0.00023	0.00027
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.1	3.1	3.1	3.4	3.5	3.1	3.5	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.026	0.045	0.048	0.047	0.022	0.022	0.047	0.051	0.024	0.025	0.022	0.021	0.025	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000016	0.0000016	0.0000016	0.0000015	0.0000019	0.0000019	0.0000018	0.0000017	0.0000016	0.0000015	0.0000016	0.0000014	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00026	0.00031	0.00028	0.00029	0.00027	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00027	0.00025	0.00025	0.00025	0.00029
Nickel	0.025	CCME	0.00087	0.00093	0.00087	0.00073	0.00079	0.00076	0.00071	0.00070	0.00084	0.00082	0.00076	0.00075	0.00087	0.00083	0.00077	0.00087
Phosphorus	0.03	iPWQO	0.034	0.036	0.036	0.027	0.028	0.028	0.035	0.036	0.022	0.024	0.032	0.031	0.036	0.036	0.031	0.036
Potassium	-	-	1.2	1.4	1.2	1.3	1.3	1.3	1.1	1.1	1.0	1.1	1.0	1.1	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00032	0.00017	0.00023	0.00014	0.00014	0.00011	0.00011	0.00011	0.00011	0.000090	0.000086	0.000074	0.000072	0.00011	0.00023
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000021	0.000013	0.000013	0.000023	0.000021	0.000014	0.000015	0.000023	0.000020	0.000021	0.000023
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000042	0.0000042	0.0000042	0.0000042	0.0000051	0.0000050	0.0000048	0.0000039	0.0000055	0.0000059	0.0000048	0.0000042	0.0000045	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000027	0.000035	0.000036	0.000035	0.000040	0.000038	0.000024	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00024	0.00035	0.00028	0.00025	0.00021	0.00020	0.00020	0.00020	0.00016	0.00018	0.00019	0.00022	0.00024	0.00023	0.00020	0.00028
Vanadium	0.12	FEQG	0.0010	0.0012	0.00089	0.00084	0.00085	0.00083	0.00098	0.00098	0.00095	0.00093	0.00081	0.00085	0.00088	0.00085	0.00086	0.0010
Zinc	0.03	CCME	0.0016	0.0024	0.0017	0.0024	0.0025	0.0024	0.0018	0.0017	0.0023	0.0021	0.0016	0.0017	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00089	0.00089	0.00091	0.00086	0.00061	0.00061	0.00093	0.00084	0.00062	0.00066	0.00092	0.00083	0.00084	0.00093
Ammonia, Total (as N)	1.8	CCME	0.049	0.098	0.096	0.10	0.084	0.070	0.050	0.043	0.057	0.058	0.063	0.066	0.060	0.070	0.061	0.10
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00083	0.00086	0.00072	0.00060	0.00043	0.00037	0.00049	0.00050	0.00054	0.00057	0.00052	0.00060	0.00052	0.00086
Nitrite (as N)	0.06	CCME	0.011	0.015	0.015	0.015	0.015	0.014	0.0073	0.0069	0.014	0.012	0.0089	0.0089	0.014	0.013	0.013	0.015
Nitrate (as N)	3	CCME	0.059	0.19	0.079	0.18	0.19	0.18	0.027	0.022	0.029	0.028	0.049	0.054	0.064	0.066	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0039	0.0039	0.0039	0.0037	0.0020	0.0020	0.0026	0.0040	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-15: Extreme Wet Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	5.1	5.1	5.2	5.2	4.9	4.5	4.3	4.4	4.6	4.8	5.0	5.1	4.9	5.4
Chloride	120	CCME	1.8	1.9	2.0	2.0	2.0	2.1	2.0	1.8	1.7	1.8	1.9	1.9	1.9	2.0	1.9	2.1
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00028	0.00029	0.00029	0.00030	0.00028	0.00025	0.00023	0.00024	0.00025	0.00026	0.00027	0.00027	0.00027	0.00030
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0056	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000011	0.000011	0.000012	0.000012	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0062	0.0064	0.0065	0.0065	0.0062	0.0056	0.0053	0.0054	0.0056	0.0057	0.0058	0.0060	0.0059	0.0065
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000083	0.0000084	0.0000085	0.0000085	0.0000081	0.0000071	0.0000066	0.0000066	0.0000070	0.0000073	0.0000078	0.0000081	0.0000079	0.0000099
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	12	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00058	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.1	2.9	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.1
Manganese	-	-	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000011	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00022	0.00024	0.00027	0.00027	0.00027	0.00027	0.00026	0.00024	0.00023	0.00024	0.00024	0.00025	0.00026	0.00027	0.00026	0.00027
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.029	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000090	0.000011	0.000011	0.000011	0.000011	0.000012	0.000011	0.000010	0.0000085	0.0000079	0.0000077	0.0000079	0.0000088	0.000010	0.000010	0.000012
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000066	0.0000066	0.0000066	0.0000065	0.0000064	0.0000065	0.0000068	0.0000070	0.0000071	0.0000070	0.0000068	0.0000067	0.0000069	0.0000077
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000084	0.000083	0.000082	0.000080	0.000075	0.000070	0.000070	0.000073	0.000077	0.000081	0.000083	0.000084	0.000078	0.00008
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00082	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00046	0.00040	0.00035	0.00034	0.00035	0.00036	0.00037	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.057	0.056	0.056	0.055	0.053	0.049	0.047	0.047	0.050	0.052	0.055	0.057	0.053	0.059
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00049	0.00048	0.00048	0.00048	0.00046	0.00042	0.00040	0.00041	0.00043	0.00045	0.00047	0.00049	0.00046	0.00051
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0040	0.0043	0.0046	0.0049	0.0049	0.0041	0.0034	0.0031	0.0029	0.0030	0.0033	0.0037	0.0038	0.0049
Nitrate (as N)	3	CCME	0.024	0.035	0.077	0.076	0.076	0.078	0.081	0.077	0.072	0.070	0.072	0.073	0.075	0.077	0.075	0.082
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0015	0.0016	0.0017	0.0017	0.0017	0.0014	0.0012	0.0011	0.0012	0.0013	0.0013	0.0014	0.0014	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-16: Extreme Wet Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.0	6.1	6.1	6.1	5.1	5.1	4.0	5.3	5.2	5.1	6.0	6.0	5.7	6.1
Chloride	120	CCME	2.7	3.2	2.7	3.2	3.2	3.3	2.6	2.6	2.7	2.5	2.5	2.5	2.7	2.7	2.7	3.3
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.059	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00035	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0077	0.012	0.0095	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000094	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0080	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0053	0.0057	0.0080	0.0080	0.0050	0.0080
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000068	0.0000071	0.0000071	0.0000071	0.0000025	0.0000025	0.0000036	0.0000046	0.0000031	0.0000100	0.0000068	0.0000068	0.0000068	0.0000100
Calcium	-	-	11	12	11	12	12	12	10	10	10	8.4	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00047	0.00029	0.00037	0.0011	0.00043	0.00043	0.00049	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000090	0.000090	0.000091	0.00014	0.00014	0.00014	0.000091	0.00011	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.000091	0.000045	0.000045	0.000045	0.00012	0.00012	0.000098	0.000095	0.00021	0.00015	0.000091	0.000091	0.000093	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.5	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0079	0.0078	0.0095	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000082	0.00000065	0.00000065	0.00000066	0.0000013	0.0000013	0.00000078	0.00000079	0.00000082	0.00000082	0.00000082	0.00000082	0.00000082	0.0000013
Molybdenum	31	SEQG	0.00021	0.00029	0.00021	0.00025	0.00025	0.00025	0.00018	0.00018	0.00022	0.00017	0.00022	0.00033	0.00021	0.00021	0.00021	0.00033
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0012	0.00094	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.021	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1	1.1	1.1	1.1	1.1	1.1	0.99	0.99	0.98	0.84	0.99	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00012	0.00012	0.00010	0.00010	0.00010	0.00010	0.00010	0.00012	0.000090	0.00011	0.0001	0.00012	0.00012	0.00010	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000018	0.000018	0.000018	0.0000050	0.0000050	0.0000050	0.0000050	0.000012	0.000027	0.000015	0.000015	0.000015	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000038	0.0000050	0.0000050	0.0000050	0.0000050	0.0000042	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000047	0.000047	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00012	0.000093	0.000092	0.00010	0.00012	0.00011	0.00013	0.00013	0.00013	0.00012	0.00013
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00041	0.00062	0.00062	0.00078	0.00060	0.00073	0.00098	0.00056	0.00056	0.00058	0.00098
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0013	0.0020	0.0015	0.0015	0.0015	0.0020
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00079	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00052	0.00070	0.00070	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.03400	0.04595	0.04594	0.04589	0.01425	0.01423	0.02058	0.022260	0.03898	0.0303	0.03399	0.03400	0.034	0.046
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00029	0.00040	0.00040	0.00039	0.00012	0.00012	0.00018	0.00019	0.00034	0.00026	0.00029	0.00029	0.00029	0.00040
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0077	0.0085	0.0085	0.0085	0.00051	0.00050	0.00050	0.00050	0.0053	0.0058	0.0077	0.0077	0.0068	0.0085
Nitrate (as N)	3	CCME	0.034	0.13	0.034	0.13	0.13	0.13	0.0073	0.0073	0.012	0.013	0.015	0.042	0.034	0.034	0.034	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0027	0.0027	0.0027	0.0027	0.00050	0.00050	0.0017	0.0017	0.0020	0.0020	0.0027	0.0027	0.0024	0.0027

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-17: Extreme Wet Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.063	0.063	0.064	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.11	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000095	0.000031	0.000012	0.000012	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0079	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000079	0.0000075	0.0000074	0.0000083	0.0000035	0.0000034	0.0000043	0.0000054	0.0000039	0.0000103	0.0000075	0.0000076	0.0000074	0.0000103
Calcium	-	-	11	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00043	0.00043	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.00005	0.000053	0.000053	0.00012	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00009	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.012	0.015	0.0091	0.011	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0087	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000089	0.00000074	0.00000074	0.00000081	0.0000014	0.0000014	0.00000089	0.00000089	0.00000091	0.00000091	0.00000088	0.00000087	0.00000089	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00022	0.00025	0.00025	0.00027	0.00019	0.00019	0.00023	0.00019	0.00023	0.00034	0.00021	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00093	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.042	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.87	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.000094	0.00011	0.0001	0.00012	0.00012	0.00011	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000019	0.0000058	0.0000058	0.0000065	0.0000063	0.000012	0.000026	0.000015	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000049	0.000050	0.000050	0.000053	0.000052	0.000051	0.000049	0.000051	0.000049	0.000049	0.000049	0.000050	0.000050	0.000053
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00080	0.00027	0.00027	0.00048	0.00047	0.00042	0.00053	0.00071	0.00071	0.00062	0.00080
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.03663	0.04790	0.04658	0.04649	0.01595	0.01598	0.02291	0.024351	0.03979	0.0316	0.03475	0.03493	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00031	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0081	0.0088	0.0088	0.0087	0.00094	0.00096	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.037	0.14	0.14	0.14	0.009	0.009	0.013	0.014	0.017	0.042	0.036	0.036	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0028	0.0028	0.0028	0.0028	0.00061	0.00062	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-18: Extreme Wet Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.8	1.9	2.0	1.9	1.2	1.1	1.2	1.4	1.5	1.4	1.2	1.7	1.4	2.0
Chloride	120	CCME	0.5	1.2	1.4	0.7	0.7	0.8	0.56	0.50	0.57	0.64	0.71	0.70	1.2	1.4	0.7	1.4
Aluminum	0.8	FEQG	0.14	0.21	0.13	0.10	0.099	0.10	0.17	0.17	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.17
Antimony	0.02	iPWQO	0.00039	0.00042	0.00043	0.00044	0.00044	0.00040	0.00024	0.00024	0.00040	0.00040	0.00025	0.00025	0.00039	0.00042	0.00040	0.00044
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0018	0.0022	0.0022	0.0022	0.0018	0.0018	0.0031	0.0030	0.0020	0.0020	0.0019	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000011	0.000011	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0069	0.0067	0.0068	0.0066	0.0058	0.0057	0.0061	0.0063	0.0060	0.0060	0.0063	0.0068	0.0063	0.0069
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000020	0.0000060	0.0000059	0.0000058	0.0000046	0.0000045	0.0000082	0.0000081	0.0000027	0.0000027	0.000019	0.000019	0.0000060	0.000020
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00063	0.00063	0.00064	0.00055	0.00054	0.00069	0.00069	0.00045	0.00045	0.00043	0.00045	0.00054	0.00069
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00017	0.00018	0.00018	0.00017	0.00013	0.00012	0.00018	0.00018	0.00013	0.00013	0.00014	0.00016	0.00016	0.00018
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00093	0.00093	0.00080	0.00079	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.49	0.58	0.45	0.46	0.46	0.42	0.43	0.44	0.53	0.52	0.36	0.36	0.44	0.45	0.45	0.53
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00015	0.00019	0.00019	0.00011	0.00011	0.00016	0.00016	0.00015	0.00019
Magnesium	-	-	3.3	4.2	3.1	4.1	4.0	3.8	2.9	2.9	3.3	3.2	2.8	2.8	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.021	0.045	0.044	0.040	0.019	0.019	0.043	0.043	0.017	0.017	0.020	0.021	0.021	0.045
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000016	0.0000016	0.0000017	0.0000019	0.0000017	0.0000016	0.0000015	0.0000016	0.0000018	0.0000017	0.0000014	0.0000016	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00024	0.00026	0.00032	0.00034	0.00035	0.00047	0.00032	0.00028	0.00032	0.00037	0.00039	0.00038	0.00026	0.00030	0.00032	0.00047
Nickel	0.025	CCME	0.00072	0.00086	0.00085	0.00068	0.00067	0.00064	0.00062	0.00063	0.00073	0.00073	0.00064	0.00063	0.00081	0.00084	0.00067	0.00085
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.025	0.024	0.024	0.034	0.035	0.019	0.019	0.028	0.028	0.036	0.036	0.028	0.036
Potassium	-	-	1.1	1.2	1.3	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.1	1.4
Selenium	0.002	BC WQG	0.00011	0.00015	0.000083	0.00017	0.00017	0.00017	0.00012	0.00012	0.00012	0.00013	0.00011	0.00011	0.000069	0.000080	0.00012	0.00017
Silver	0.00025	CCME	0.000023	0.000024	0.000024	0.000024	0.000024	0.000023	0.000015	0.000015	0.000023	0.000023	0.000015	0.000015	0.000022	0.000024	0.000023	0.000024
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000041	0.0000041	0.0000042	0.0000044	0.0000052	0.0000051	0.0000037	0.0000039	0.0000058	0.0000058	0.0000040	0.0000041	0.0000041	0.0000058
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000035	0.000047	0.000049	0.000064	0.000054	0.000048	0.000028	0.000036	0.000060	0.000059	0.000024	0.000033	0.000047	0.000064
Uranium	0.015	CCME	0.00021	0.00024	0.00026	0.00023	0.00024	0.00028	0.00025	0.00024	0.00018	0.00020	0.00025	0.00024	0.00023	0.00025	0.00024	0.00028
Vanadium	0.12	FEQG	0.00082	0.0010	0.00085	0.00080	0.00080	0.00092	0.00101	0.00099	0.00083	0.00087	0.00085	0.00084	0.00080	0.00084	0.00084	0.00101
Zinc	0.03	CCME	0.0016	0.0021	0.0011	0.0020	0.0020	0.0021	0.0016	0.0016	0.0020	0.0020	0.0014	0.0014	0.0011	0.0011	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00095	0.00096	0.00095	0.00088	0.00060	0.00060	0.00089	0.00089	0.00061	0.00061	0.00087	0.00093	0.00088	0.0010
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.054696	0.05603	0.05674	0.05148	0.02956	0.02896	0.04726	0.04855	0.04901	0.04860	0.046675	0.053301	0.049	0.057
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00047	0.00048	0.00049	0.00044	0.00025	0.00025	0.00041	0.00042	0.00042	0.00042	0.00040	0.00046	0.00042	0.00049
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0063	0.0065	0.013	0.012	0.0065	0.0064	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.066	0.19	0.19	0.17	0.024	0.022	0.028	0.029	0.051	0.050	0.063	0.065	0.057	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0044	0.0044	0.0044	0.0039	0.0019	0.0019	0.0020	0.0042	0.0041	0.0040	0.0042	0.0044	0.0042	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-19: Extreme Wet Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.8	1.9	1.9	2.7	1.8	1.6	1.5	1.8	2.1	2.1	1.3	1.6	1.8	2.7
Chloride	120	CCME	0.9	1.6	1.4	0.9	1.2	1.4	0.8	0.7	0.9	0.9	1.0	1.0	1.3	1.4	1.0	1.4
Aluminum	0.73	FEQG	0.22	0.29	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.18	0.14	0.16	0.20
Antimony	0.02	iPWQO	0.00028	0.00033	0.00040	0.00040	0.00040	0.00042	0.00026	0.00026	0.00041	0.00038	0.00028	0.00032	0.00037	0.00038	0.00038	0.00042
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0019	0.0022	0.0023	0.0023	0.0019	0.0019	0.0030	0.0031	0.0023	0.0023	0.0021	0.0019	0.0022	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000013	0.000013	0.000013	0.000010	0.000010	0.000014	0.000013	0.000012	0.000012	0.000021	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0065	0.0063	0.0063	0.0064	0.0058	0.0058	0.0061	0.0061	0.0062	0.0060	0.0061	0.0064	0.0061	0.0065
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000024	0.000013	0.000011	0.000023	0.000015	0.000013	0.000014	0.000015	0.000016	0.000015	0.000019	0.000020	0.000015	0.000024
Calcium	-	-	12	16	13	16	15	15	10	10	11	11	11	12	12	12	12	16
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00066	0.00070	0.00066	0.00060	0.00060	0.00076	0.00067	0.00050	0.00053	0.00049	0.00046	0.00060	0.00076
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00026	0.00019	0.00018	0.00022	0.00022	0.00020	0.00021	0.00017	0.00018	0.00020	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00088	0.00085	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.59	0.75	0.48	0.49	0.56	0.50	0.47	0.48	0.58	0.55	0.42	0.43	0.48	0.46	0.48	0.58
Lead	0.017	FEQG	0.00018	0.00022	0.00017	0.00016	0.000164	0.000152	0.000152	0.00016	0.00020	0.00019	0.00013	0.00013	0.00016	0.00016	0.00016	0.00020
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.0	3.1	3.1	3.3	3.5	3.1	3.4	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.027	0.046	0.049	0.048	0.024	0.024	0.047	0.051	0.026	0.027	0.022	0.022	0.027	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000019	0.0000019	0.0000020	0.0000026	0.0000025	0.0000023	0.0000021	0.0000022	0.0000023	0.0000022	0.0000018	0.0000017	0.0000021	0.0000026
Molybdenum	31	SEQG	0.00026	0.00031	0.00032	0.00034	0.00033	0.00047	0.00033	0.00029	0.00032	0.00036	0.00041	0.00042	0.00028	0.00029	0.00033	0.00047
Nickel	0.025	CCME	0.00087	0.00093	0.00088	0.00075	0.00081	0.0009	0.00078	0.00076	0.00086	0.00086	0.0008	0.00083	0.00087	0.00085	0.00083	0.0009
Phosphorus	0.03	iPWQO	0.034	0.036	0.035	0.026	0.028	0.026	0.033	0.034	0.022	0.023	0.030	0.029	0.036	0.035	0.030	0.036
Potassium	-	-	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00032	0.00019	0.00026	0.00017	0.00022	0.00016	0.00015	0.00014	0.00015	0.00015	0.00015	0.000091	0.00010	0.00015	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000023	0.000023	0.000024	0.000016	0.000015	0.000024	0.000022	0.000017	0.000018	0.000024	0.000021	0.000022	0.000024
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000043	0.0000044	0.0000044	0.0000050	0.0000054	0.0000053	0.0000050	0.0000043	0.0000059	0.0000062	0.0000049	0.0000043	0.0000049	0.0000062
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000041	0.000050	0.000053	0.000086	0.000069	0.000062	0.000040	0.000057	0.000086	0.000091	0.000037	0.000043	0.000053	0.000091
Uranium	0.015	CCME	0.00024	0.00035	0.00031	0.00029	0.00025	0.00030	0.00026	0.00025	0.00020	0.00023	0.00026	0.00029	0.00025	0.00026	0.00026	0.00031
Vanadium	0.12	FEQG	0.0010	0.0012	0.00092	0.00088	0.00089	0.00097	0.00105	0.00104	0.00099	0.0010	0.00092	0.00095	0.00089	0.00088	0.00092	0.0011
Zinc	0.03	CCME	0.0016	0.0024	0.0015	0.0022	0.0023	0.0029	0.0021	0.0020	0.0024	0.0023	0.0020	0.0020	0.0014	0.0014	0.0020	0.0029
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00091	0.00092	0.00094	0.0010	0.00069	0.00067	0.00095	0.00089	0.00072	0.00075	0.00092	0.00085	0.00089	0.0010
Ammonia, Total (as N)	1.8	CCME	0.049	0.10	0.07348	0.07437	0.05602	0.05385	0.03657	0.03619	0.05122	0.05094	0.05219	0.05098	0.047480	0.04940	0.051	0.074
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00063	0.00064	0.00048	0.00046	0.00031	0.00031	0.00044	0.00044	0.00045	0.00044	0.00041	0.00042	0.00044	0.00064
Nitrite (as N)	0.06	CCME	0.011	0.015	0.012	0.012	0.013	0.011	0.0061	0.0062	0.013	0.011	0.0078	0.0075	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.059	0.19	0.076	0.18	0.19	0.17	0.029	0.024	0.030	0.030	0.049	0.054	0.063	0.064	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0038	0.0038	0.0038	0.0034	0.0019	0.0020	0.0025	0.0039	0.0037	0.0038	0.0044	0.0038	0.0038	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-20: Extreme Wet Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Extreme Wet Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	4.0	4.1	4.2	4.3	4.1	3.7	3.6	3.6	3.7	3.8	3.9	3.9	3.9	4.3
Chloride	120	CCME	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8	2.0
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00025	0.00026	0.00026	0.00027	0.00026	0.00022	0.00021	0.00021	0.00022	0.00023	0.00024	0.00024	0.00024	0.00027
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0056	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.00001	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0057	0.0059	0.0060	0.0061	0.0058	0.0052	0.0050	0.0050	0.0052	0.0053	0.0053	0.0055	0.0055	0.0061
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000054	0.0000056	0.0000058	0.0000059	0.0000058	0.0000051	0.0000046	0.0000044	0.0000045	0.0000046	0.0000048	0.0000051	0.0000051	0.0000059
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	11	11	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00057	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00013	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.26	0.26	0.26	0.24	0.23	0.23	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00012	0.00013	0.00013	0.00012	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000011	0.0000011	0.0000011	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012
Molybdenum	31	SEQG	0.00022	0.00024	0.00023	0.00024	0.00024	0.00024	0.00023	0.00021	0.00020	0.00020	0.00021	0.00022	0.00022	0.00023	0.00023	0.00024
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.030	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00011	0.00010	0.00011	0.00011	0.00011	0.00010	0.00009	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000010	0.000011	0.000011	0.000011	0.0000095	0.0000081	0.0000075	0.0000073	0.0000074	0.0000082	0.0000092	0.0000095	0.000011
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000053	0.0000054	0.0000054	0.0000054	0.0000050	0.0000046	0.0000046	0.0000047	0.0000049	0.0000050	0.0000051	0.0000053	0.0000051	0.0000054
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000052	0.000053	0.000053	0.000053	0.000051	0.000047	0.000047	0.000048	0.000050	0.000051	0.000052	0.000052	0.000052	0.000053
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00012	0.00012	0.00013	0.00012	0.00011	0.00010	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00079	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00047	0.00041	0.00036	0.00035	0.00036	0.00037	0.00038	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.02399	0.02483	0.02569	0.02664	0.02630	0.02298	0.02025	0.01949	0.01985	0.02082	0.02197	0.02301	0.023	0.027
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00021	0.00021	0.00022	0.00023	0.00023	0.00020	0.00017	0.00017	0.00017	0.00018	0.00019	0.00020	0.00020	0.00023
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0028	0.0032	0.0035	0.0038	0.0039	0.0032	0.0025	0.0020	0.0018	0.0019	0.0021	0.0024	0.0028	0.0039
Nitrate (as N)	3	CCME	0.024	0.035	0.023	0.024	0.026	0.031	0.037	0.034	0.028	0.024	0.022	0.021	0.021	0.022	0.024	0.037
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0014	0.0015	0.0016	0.0017	0.0016	0.0013	0.0011	0.0010	0.0011	0.0012	0.0012	0.0013	0.0013	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-21: Climate Change Operations Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.7	6.9	6.9	8.6	7.0	6.7	5.8	7.8	7.7	7.4	6.6	6.6	6.9	8.4
Chloride	120	CCME	2.7	3.2	2.8	3.3	3.3	3.5	2.8	2.7	2.9	2.7	2.7	2.7	2.8	2.8	2.8	3.5
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.06	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00043	0.00048	0.00048	0.00052	0.00032	0.00031	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00043	0.00051
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0084	0.0055	0.0055	0.0070	0.0076	0.012	0.0094	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000097	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0084	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0065	0.0067	0.0083	0.0083	0.0061	0.0084
Cadmium	0.000067	CCME	0.0000068	0.000008	0.0000091	0.0000100	0.0000101	0.000014	0.0000079	0.0000070	0.0000087	0.0000117	0.0000105	0.0000169	0.0000089	0.0000087	0.0000098	0.00002
Calcium	-	-	11	12	11	12	12	12	10	10	11	9.0	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00048	0.00029	0.00037	0.00105	0.00043	0.00043	0.00050	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000093	0.000094	0.00013	0.00017	0.00017	0.00015	0.00011	0.00014	0.00024	0.00010	0.00011	0.00012	0.00023
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.00009	0.000047	0.000047	0.000050	0.00012	0.00012	0.00010	0.000099	0.00021	0.00015	0.000092	0.00009	0.000096	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.6	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0078	0.008	0.010	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000088	0.00000072	0.00000074	0.00000087	0.0000015	0.0000015	0.00000092	0.00000098	0.0000010	0.0000010	0.00000088	0.00000087	0.00000092	0.0000015
Molybdenum	31	SEQG	0.00021	0.00029	0.00023	0.00027	0.00028	0.00037	0.00026	0.00025	0.00027	0.00025	0.00030	0.00041	0.00024	0.00023	0.00027	0.00041
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0013	0.00095	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.020	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1.1	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.91	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00012	0.00013	0.00011	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.00013	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000020	0.0000062	0.0000060	0.0000061	0.0000065	0.000013	0.000028	0.000015	0.000015	0.000015	0.000028
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000056	0.0000040	0.0000041	0.0000129	0.0000106	0.0000100	0.0000063	0.0000065	0.0000064	0.0000093	0.0000052	0.0000061	0.0000073	0.0000132
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000080	0.000126	0.000104	0.000096	0.000100	0.000119	0.000118	0.000115	0.000070	0.000070	0.000096	0.00012
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00014	0.00010	0.00010	0.00011	0.00013	0.00012	0.00014	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00042	0.00063	0.00063	0.00078	0.00061	0.00074	0.00098	0.00056	0.00056	0.00059	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0014	0.0020	0.0015	0.002	0.0015	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00078	0.00078	0.00078	0.00023	0.00023	0.00044	0.00044	0.00040	0.00051	0.00070	0.00070	0.00061	0.00078
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.057	0.071	0.078	0.14	0.076	0.068	0.068	0.088	0.11	0.099	0.058	0.055	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00049	0.00061	0.00067	0.00117	0.00065	0.00058	0.00058	0.00076	0.00094	0.00085	0.00049	0.00048	0.00063	0.00114
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0086	0.0094	0.0098	0.012	0.0027	0.0024	0.0022	0.0029	0.0078	0.0082	0.0086	0.0085	0.0083	0.012
Nitrate (as N)	3	CCME	0.034	0.13	0.073	0.18	0.19	0.28	0.110	0.096	0.091	0.12	0.13	0.16	0.074	0.070	0.11	0.28
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0028	0.0028	0.0028	0.0030	0.0007	0.0007	0.0018	0.0018	0.0021	0.0021	0.0028	0.0028	0.0025	0.0030

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-22: Climate Change Operations Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	6.4	6.6	6.6	8.1	6.6	6.3	5.5	7.4	7.4	7.1	6.3	6.3	6.6	8.0
Chloride	120	CCME	2.6	3.1	2.7	3.1	3.2	3.3	2.6	2.5	2.7	2.6	2.6	2.6	2.7	2.7	2.7	3.3
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.065	0.065	0.066	0.16	0.16	0.19	0.17	0.14	0.25	0.11	0.11	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00044	0.00043	0.00047	0.00047	0.00051	0.00031	0.00031	0.00041	0.00041	0.00041	0.00042	0.00042	0.00042	0.00042	0.00050
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0052	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000011	0.000010	0.000010	0.000011	0.000011	0.0000098	0.000031	0.000012	0.000012	0.000011	0.000031
Boron	1.5	CCME	0.0051	0.008	0.0082	0.0054	0.0055	0.0062	0.0058	0.0057	0.0058	0.0061	0.0064	0.0067	0.0082	0.0082	0.0061	0.0082
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000100	0.0000101	0.0000101	0.000014	0.0000078	0.0000069	0.0000087	0.0000115	0.0000102	0.0000162	0.0000094	0.0000093	0.0000100	0.000017
Calcium	-	-	11	12	12	12	12	12	10	10	11	9.1	11	12	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00052	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00051	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00014	0.00017	0.00016	0.00015	0.00011	0.00014	0.00023	0.00011	0.00011	0.00012	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.18	0.18	0.18	0.18	0.25	0.25	0.25	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.000061	0.000061	0.000062	0.00013	0.00013	0.00011	0.00011	0.00021	0.00015	0.000100	0.00010	0.00011	0.00021
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.3	2.6	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.015	0.0090	0.011	0.011	0.011	0.011	0.011	0.014	0.014	0.013	0.013	0.0086	0.009	0.011	0.014
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000093	0.00000078	0.00000079	0.00000091	0.0000015	0.0000015	0.0000010	0.0000010	0.0000010	0.0000010	0.00000092	0.00000090	0.0000010	0.0000015
Molybdenum	31	SEQG	0.00022	0.00029	0.00023	0.00028	0.00028	0.00036	0.00025	0.00024	0.00027	0.00025	0.00030	0.00040	0.00024	0.00023	0.00026	0.00040
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00094	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00014	0.00012	0.00011	0.00014	0.00013	0.00012	0.00014	0.00012	0.00014	0.0001	0.00013	0.00013	0.00013	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000016	0.000019	0.000019	0.000020	0.0000066	0.0000065	0.0000073	0.0000074	0.000013	0.000027	0.000016	0.000016	0.000016	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000055	0.0000041	0.0000041	0.0000123	0.0000102	0.0000096	0.0000062	0.0000063	0.0000064	0.0000091	0.0000052	0.0000060	0.0000072	0.0000127
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000070	0.000075	0.000077	0.000120	0.000100	0.000091	0.000094	0.000113	0.000114	0.000111	0.000067	0.000067	0.000092	0.00012
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00014	0.00011	0.00011	0.00011	0.00013	0.00012	0.00015	0.00014	0.00014	0.00013	0.00015
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00044	0.00065	0.00065	0.00080	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00078	0.00026	0.00026	0.00047	0.00046	0.00041	0.00052	0.00071	0.00071	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.060	0.073	0.078	0.13	0.074	0.066	0.067	0.086	0.11	0.097	0.058	0.056	0.073	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00051	0.00063	0.00068	0.00113	0.00064	0.00057	0.00058	0.00074	0.00092	0.00083	0.00050	0.00048	0.00062	0.00111
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0090	0.0098	0.010	0.012	0.0030	0.0027	0.0031	0.0035	0.0079	0.0082	0.0089	0.0088	0.0084	0.012
Nitrate (as N)	3	CCME	0.036	0.14	0.073	0.18	0.19	0.28	0.104	0.091	0.086	0.12	0.13	0.15	0.074	0.070	0.11	0.27
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0029	0.0028	0.0028	0.0031	0.0008	0.0008	0.0018	0.0020	0.0022	0.0022	0.0029	0.0029	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-23: Climate Change Operations Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	2.7	2.9	3.1	2.3	1.9	1.5	1.5	1.6	1.8	2.1	1.9	2.5	1.9	3.1
Chloride	120	CCME	0.51	1.2	1.2	0.53	0.53	0.51	0.38	0.37	0.48	0.48	0.48	0.49	1.2	1.2	0.49	1.2
Aluminum	0.8	FEQG	0.14	0.21	0.15	0.12	0.13	0.12	0.19	0.19	0.15	0.15	0.12	0.12	0.14	0.15	0.14	0.19
Antimony	0.02	iPWQO	0.00039	0.00042	0.00045	0.00046	0.00046	0.00041	0.00024	0.00024	0.00041	0.00041	0.00025	0.00025	0.00041	0.00044	0.00041	0.00046
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0020	0.0024	0.0025	0.0024	0.0019	0.0018	0.0032	0.0032	0.0021	0.0022	0.0020	0.0020	0.0021	0.0032
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000010	0.000010	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0062	0.0059	0.0059	0.0058	0.0055	0.0055	0.0059	0.0059	0.0055	0.0055	0.0061	0.0062	0.0059	0.0062
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000022	0.0000088	0.0000094	0.0000084	0.0000058	0.0000054	0.0000093	0.000010	0.0000041	0.0000044	0.000021	0.000022	0.0000090	0.000022
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00045	0.00062	0.00062	0.00060	0.00052	0.00052	0.00068	0.00068	0.00041	0.00041	0.00044	0.00044	0.00052	0.00068
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00019	0.00021	0.00021	0.00019	0.00015	0.00014	0.00019	0.00019	0.00015	0.00016	0.00017	0.00019	0.00018	0.00021
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0010	0.0010	0.00093	0.00093	0.00079	0.00079	0.0011	0.0012	0.0010	0.0012
Iron	0.8	FEQG	0.49	0.58	0.47	0.48	0.48	0.47	0.46	0.47	0.55	0.55	0.39	0.39	0.46	0.47	0.47	0.55
Lead	0.016	FEQG	0.00017	0.00021	0.00026	0.00026	0.00028	0.00025	0.00020	0.00019	0.00023	0.00024	0.00018	0.00018	0.00024	0.00025	0.00024	0.00028
Magnesium	-	-	3.3	4.2	3.1	4.1	4.1	4.0	3.0	3.0	3.3	3.3	2.9	2.9	3.1	3.1	3.1	4.1
Manganese	-	-	0.021	0.049	0.020	0.044	0.043	0.042	0.019	0.019	0.044	0.044	0.017	0.017	0.020	0.020	0.020	0.044
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00024	0.00026	0.00028	0.00029	0.00029	0.00027	0.00020	0.00019	0.00026	0.00026	0.00024	0.00025	0.00025	0.00027	0.00026	0.00030
Nickel	0.025	CCME	0.00072	0.00086	0.00087	0.00070	0.00070	0.00068	0.00065	0.00065	0.00075	0.00075	0.00067	0.00067	0.00084	0.00086	0.00070	0.00087
Phosphorus	0.03	iPWQO	0.031	0.037	0.037	0.025	0.026	0.025	0.036	0.036	0.020	0.020	0.030	0.030	0.036	0.037	0.030	0.037
Potassium	-	-	1.1	1.2	1.2	1.3	1.3	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.2	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00015	0.000065	0.00015	0.00015	0.00014	0.00010	0.00010	0.00011	0.00011	0.000079	0.000080	0.000064	0.000065	0.00010	0.00015
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000022	0.000022	0.000014	0.000014	0.000022	0.000023	0.000022	0.000023
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000040	0.0000040	0.0000040	0.0000041	0.0000051	0.0000051	0.0000036	0.0000037	0.0000057	0.0000057	0.0000040	0.0000040	0.0000040	0.0000057
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000026	0.000036	0.000038	0.000035	0.000041	0.000037	0.000019	0.000021	0.000040	0.000042	0.000023	0.000025	0.000035	0.000042
Uranium	0.015	CCME	0.00021	0.00024	0.00022	0.00019	0.00019	0.00018	0.00019	0.00020	0.00015	0.00015	0.00018	0.00018	0.00022	0.00022	0.00019	0.00022
Vanadium	0.12	FEQG	0.00082	0.0010	0.00081	0.00075	0.00075	0.00073	0.00089	0.00090	0.00078	0.00077	0.00070	0.00071	0.00079	0.00080	0.00078	0.00090
Zinc	0.03	CCME	0.0016	0.0021	0.0016	0.0025	0.0025	0.0024	0.0017	0.0017	0.0021	0.0022	0.0016	0.0016	0.0015	0.0015	0.0017	0.0025
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00093	0.00094	0.00093	0.00086	0.00057	0.00058	0.00089	0.00089	0.00058	0.00058	0.00089	0.00092	0.00089	0.00094
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.095	0.10	0.11	0.081	0.055	0.043	0.058	0.062	0.069	0.076	0.069	0.090	0.069	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00082	0.00087	0.00092	0.00070	0.00047	0.00037	0.00050	0.00053	0.00059	0.00066	0.00060	0.00078	0.00060	0.00092
Nitrite (as N)	0.06	CCME	0.013	0.014	0.017	0.018	0.018	0.015	0.0087	0.0079	0.014	0.014	0.0085	0.0090	0.015	0.017	0.014	0.018
Nitrate (as N)	3	CCME	0.059	0.20	0.072	0.20	0.20	0.18	0.025	0.022	0.029	0.029	0.054	0.054	0.066	0.070	0.058	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0046	0.0047	0.0046	0.0042	0.0020	0.0020	0.0020	0.0044	0.0043	0.0043	0.0044	0.0046	0.0043	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-24: Climate Change Operations Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.0	2.1	2.2	1.8	1.5	1.2	1.3	1.4	1.4	1.6	1.5	1.8	1.5	2.2
Chloride	120	CCME	0.91	1.6	1.3	0.75	1.1	1.0	0.60	0.57	0.80	0.75	0.70	0.75	1.2	1.3	0.77	1.3
Aluminum	0.73	FEQG	0.22	0.29	0.18	0.16	0.17	0.16	0.22	0.22	0.22	0.18	0.15	0.18	0.20	0.16	0.18	0.22
Antimony	0.02	iPWQO	0.00028	0.00033	0.00039	0.00039	0.00039	0.00036	0.00022	0.00022	0.00039	0.00035	0.00022	0.00027	0.00037	0.00037	0.00036	0.00039
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0020	0.0024	0.0025	0.0024	0.0020	0.0019	0.0031	0.0033	0.0024	0.0023	0.0022	0.0020	0.0023	0.0033
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000014	0.000014	0.000013	0.000011	0.000011	0.000015	0.000013	0.000012	0.000012	0.000022	0.000020	0.000014	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0060	0.0058	0.0058	0.0057	0.0054	0.0055	0.0058	0.0057	0.0057	0.0055	0.0059	0.0060	0.0057	0.0060
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000022	0.000011	0.0000093	0.0000087	0.0000061	0.0000057	0.0000093	0.0000093	0.0000050	0.0000047	0.000018	0.000019	0.0000093	0.000022
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	12	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00052	0.00067	0.00071	0.00069	0.00060	0.00060	0.00078	0.00068	0.00050	0.00053	0.00050	0.00047	0.00060	0.00078
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00019	0.00020	0.00022	0.00020	0.00016	0.00015	0.00021	0.00020	0.00016	0.00017	0.00017	0.00018	0.00018	0.00022
Copper	0.005	iPWQO	0.0011	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.00089	0.00087	0.0012	0.0011	0.0011	0.0012
Iron	0.8	FEQG	0.59	0.75	0.51	0.52	0.59	0.58	0.51	0.52	0.61	0.58	0.46	0.47	0.50	0.47	0.52	0.61
Lead	0.017	FEQG	0.00018	0.00022	0.00025	0.00025	0.00027	0.00025	0.00021	0.00020	0.00024	0.00025	0.00019	0.00020	0.00023	0.00023	0.00024	0.00027
Magnesium	-	-	3.7	4.5	3.5	4.2	4.2	4.1	3.1	3.1	3.4	3.5	3.1	3.5	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.026	0.045	0.048	0.047	0.022	0.022	0.047	0.051	0.024	0.025	0.022	0.021	0.025	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000016	0.0000016	0.0000016	0.0000015	0.0000019	0.0000019	0.0000018	0.0000017	0.0000016	0.0000015	0.0000016	0.0000014	0.0000016	0.0000019
Molybdenum	31	SEQG	0.00026	0.00031	0.00028	0.00029	0.00027	0.00026	0.00020	0.00019	0.00025	0.00026	0.00025	0.00027	0.00025	0.00025	0.00025	0.00029
Nickel	0.025	CCME	0.00087	0.00093	0.00087	0.00073	0.00079	0.00076	0.00071	0.00070	0.00084	0.00082	0.00076	0.00075	0.00087	0.00083	0.00078	0.00087
Phosphorus	0.03	iPWQO	0.034	0.036	0.036	0.027	0.028	0.028	0.035	0.036	0.022	0.024	0.032	0.031	0.036	0.036	0.031	0.036
Potassium	-	-	1.2	1.4	1.2	1.3	1.3	1.3	1.1	1.1	1.0	1.1	1.0	1.1	1.1	1.2	1.1	1.3
Selenium	0.002	BC WQG	0.00011	0.00032	0.00017	0.00023	0.00014	0.00014	0.00011	0.00011	0.00011	0.00011	0.000090	0.000086	0.000074	0.000072	0.00011	0.00023
Silver	0.00025	CCME	0.000018	0.000024	0.000021	0.000021	0.000021	0.000021	0.000013	0.000013	0.000023	0.000021	0.000014	0.000015	0.000023	0.000020	0.000021	0.000023
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000042	0.0000042	0.0000042	0.0000042	0.0000051	0.0000050	0.0000048	0.0000039	0.0000055	0.0000059	0.0000048	0.0000042	0.0000045	0.0000059
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000027	0.000035	0.000036	0.000035	0.000040	0.000038	0.000024	0.000033	0.000052	0.000058	0.000029	0.000031	0.000035	0.000058
Uranium	0.015	CCME	0.00024	0.00035	0.00028	0.00025	0.00021	0.00020	0.00020	0.00020	0.00016	0.00018	0.00019	0.00022	0.00024	0.00023	0.00020	0.00028
Vanadium	0.12	FEQG	0.0010	0.0012	0.00089	0.00084	0.00085	0.00084	0.00098	0.00098	0.00095	0.00093	0.00081	0.00085	0.00088	0.00085	0.00087	0.0010
Zinc	0.03	CCME	0.0016	0.0024	0.0017	0.0024	0.0025	0.0024	0.0018	0.0017	0.0023	0.0021	0.0016	0.0017	0.0015	0.0015	0.0018	0.0025
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00089	0.00089	0.00091	0.00086	0.00061	0.00061	0.00093	0.00084	0.00062	0.00066	0.00092	0.00083	0.00085	0.00093
Ammonia, Total (as N)	1.8	CCME	0.049	0.098	0.096	0.10	0.084	0.070	0.050	0.043	0.057	0.058	0.063	0.066	0.060	0.070	0.062	0.10
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00083	0.00086	0.00072	0.00060	0.00043	0.00037	0.00049	0.00050	0.00054	0.00057	0.00052	0.00060	0.00054	0.00086
Nitrite (as N)	0.06	CCME	0.011	0.015	0.015	0.015	0.015	0.014	0.0073	0.0069	0.014	0.012	0.0089	0.0089	0.014	0.013	0.013	0.015
Nitrate (as N)	3	CCME	0.059	0.19	0.079	0.18	0.19	0.18	0.027	0.022	0.029	0.028	0.049	0.054	0.064	0.066	0.058	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0039	0.0039	0.0039	0.0037	0.0020	0.0020	0.0026	0.0040	0.0039	0.0041	0.0045	0.0039	0.0039	0.0045

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-25: Climate Change Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	5.1	5.2	5.2	5.2	4.9	4.5	4.4	4.4	4.7	4.9	5.0	5.1	4.9	5.4
Chloride	120	CCME	1.8	1.9	2.0	2.0	2.0	2.1	2.0	1.8	1.7	1.8	1.9	1.9	1.9	2.0	1.9	2.1
Aluminum	1.4	FEQG	0.19	0.20	0.20	0.20	0.20	0.19	0.18	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.19	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00028	0.00028	0.00029	0.00029	0.00028	0.00024	0.00023	0.00023	0.00025	0.00026	0.00027	0.00027	0.00027	0.00030
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0058	0.0060	0.0060	0.0061	0.0057	0.0049	0.0044	0.0044	0.0047	0.0051	0.0054	0.0057	0.0055	0.0061
Beryllium	0.011	PWQO	0.000012	0.000013	0.000013	0.000013	0.000013	0.000013	0.000012	0.000011	0.000010	0.000010	0.000011	0.000011	0.000012	0.000012	0.000012	0.000013
Boron	1.5	CCME	0.0054	0.0060	0.0062	0.0064	0.0065	0.0065	0.0062	0.0056	0.0053	0.0054	0.0056	0.0057	0.0058	0.0060	0.0059	0.0065
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000083	0.0000084	0.0000085	0.0000085	0.0000081	0.0000072	0.0000066	0.0000066	0.0000070	0.0000073	0.0000078	0.0000081	0.0000079	0.0000101
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	12	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00058	0.00058	0.00058	0.00058	0.00055	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00055	0.00058
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015	0.00014	0.00015
Copper	0.005	iPWQO	0.0014	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0015	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.27	0.27	0.26	0.26	0.25	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.26	0.27
Lead	0.013	FEQG	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013
Magnesium	-	-	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.0
Manganese	-	-	0.012	0.013	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000012	0.0000012	0.0000011	0.0000012	0.0000012	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013	0.0000013
Molybdenum	31	SEQG	0.00022	0.00024	0.00027	0.00027	0.00027	0.00027	0.00026	0.00024	0.00023	0.00024	0.00024	0.00025	0.00026	0.00027	0.00026	0.00027
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012
Phosphorus	0.02	iPWQO	0.029	0.031	0.031	0.032	0.032	0.031	0.029	0.026	0.025	0.025	0.026	0.028	0.029	0.031	0.029	0.032
Potassium	-	-	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00011	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000011	0.000011	0.000012	0.000011	0.000010	0.0000085	0.0000079	0.0000077	0.0000079	0.0000088	0.000010	0.000010	0.000012
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000066	0.0000066	0.0000066	0.0000065	0.0000065	0.0000065	0.0000068	0.0000070	0.0000071	0.0000070	0.0000070	0.0000070	0.0000069	0.0000077
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000084	0.000083	0.000082	0.000080	0.000075	0.000070	0.000070	0.000073	0.000077	0.000081	0.000083	0.000084	0.000079	0.00008
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00013
Vanadium	0.12	FEQG	0.00078	0.00081	0.00082	0.00082	0.00081	0.00080	0.00075	0.00069	0.00068	0.00072	0.00075	0.00077	0.00079	0.00081	0.00078	0.00082
Zinc	0.03	CCME	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00041	0.00043	0.00045	0.00047	0.00046	0.00040	0.00035	0.00034	0.00035	0.00036	0.00037	0.00039	0.00040	0.00047
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.057	0.056	0.056	0.055	0.053	0.049	0.047	0.048	0.050	0.053	0.056	0.057	0.053	0.059
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00049	0.00048	0.00048	0.00048	0.00046	0.00042	0.00040	0.00041	0.00043	0.00046	0.00048	0.00049	0.00046	0.00051
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0040	0.0043	0.0046	0.0049	0.0049	0.0041	0.0034	0.0031	0.0029	0.0030	0.0033	0.0037	0.0038	0.0049
Nitrate (as N)	3	CCME	0.024	0.035	0.077	0.076	0.076	0.078	0.081	0.077	0.072	0.071	0.072	0.074	0.077	0.078	0.076	0.084
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0015	0.0016	0.0016	0.0017	0.0017	0.0014	0.0012	0.0011	0.0012	0.0012	0.0013	0.0014	0.0014	0.0017

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-26: Climate Change Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.7	6.1	6.0	6.1	6.1	6.1	5.1	5.1	4.0	5.3	5.2	5.1	6.0	6.0	5.7	6.1
Chloride	120	CCME	2.7	3.2	2.7	3.2	3.2	3.3	2.6	2.6	2.7	2.5	2.5	2.5	2.7	2.7	2.7	3.3
Aluminum	0.98	FEQG	0.12	0.22	0.10	0.058	0.058	0.059	0.16	0.16	0.19	0.17	0.14	0.25	0.10	0.10	0.12	0.25
Antimony	0.02	iPWQO	0.00038	0.00045	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00035	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0081	0.011	0.0081	0.0085	0.0085	0.0085	0.0055	0.0055	0.0070	0.0077	0.012	0.0095	0.0081	0.0081	0.0081	0.012
Beryllium	0.011	PWQO	0.000010	0.000020	0.000011	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000094	0.000032	0.000011	0.000011	0.000010	0.000032
Boron	1.5	CCME	0.0050	0.0080	0.0080	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0053	0.0057	0.0080	0.0080	0.0050	0.0080
Cadmium	0.000067	CCME	0.0000068	0.0000084	0.0000068	0.0000071	0.0000071	0.0000071	0.0000025	0.0000025	0.0000036	0.0000046	0.0000031	0.0000100	0.0000068	0.0000068	0.0000068	0.0000100
Calcium	-	-	11	12	11	12	12	12	10	10	10	8.4	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00049	0.00076	0.00043	0.00050	0.00050	0.00050	0.00052	0.00052	0.00047	0.00029	0.00037	0.0011	0.00043	0.00043	0.00049	0.0011
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00010	0.000090	0.000090	0.000091	0.00014	0.00014	0.00014	0.000091	0.00011	0.00022	0.00010	0.00010	0.00010	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.16	0.27	0.15	0.15	0.15	0.15	0.23	0.23	0.22	0.20	0.16	0.31	0.15	0.15	0.16	0.31
Lead	0.012	FEQG	0.000093	0.00018	0.000091	0.000045	0.000045	0.000045	0.00012	0.00012	0.000098	0.000095	0.00021	0.00015	0.000091	0.000091	0.000093	0.00021
Magnesium	-	-	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.6	2.7	2.2	2.5	2.9	2.8	2.8	2.8	2.9
Manganese	-	-	0.0095	0.012	0.0078	0.0086	0.0086	0.0087	0.010	0.010	0.012	0.012	0.012	0.012	0.0079	0.0078	0.0095	0.012
Mercury	0.000026	CCME	0.00000081	0.0000013	0.00000082	0.00000065	0.00000065	0.00000067	0.0000013	0.0000013	0.00000078	0.00000079	0.00000082	0.00000082	0.00000082	0.00000082	0.00000082	0.0000013
Molybdenum	31	SEQG	0.00021	0.00029	0.00021	0.00025	0.00025	0.00025	0.00018	0.00018	0.00022	0.00017	0.00022	0.00033	0.00021	0.00021	0.00021	0.00033
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0016	0.0016	0.0016	0.0014	0.0014	0.0012	0.00094	0.0012	0.0017	0.0014	0.0014	0.0014	0.0017
Phosphorus	0.03	iPWQO	0.026	0.049	0.023	0.028	0.028	0.028	0.021	0.021	0.034	0.021	0.042	0.057	0.023	0.023	0.026	0.057
Potassium	-	-	1	1.1	1.1	1.1	1.1	1.1	0.99	0.99	0.98	0.84	0.99	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00012	0.00012	0.00010	0.00010	0.00010	0.00010	0.00010	0.00012	0.000090	0.00011	0.0001	0.00012	0.00012	0.00010	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000018	0.000018	0.000018	0.0000050	0.0000050	0.0000050	0.0000050	0.000012	0.000027	0.000015	0.000015	0.000015	0.000027
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000038	0.0000050	0.0000050	0.0000050	0.0000050	0.0000042	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000047	0.000047	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00012	0.00013	0.00013	0.00012	0.00012	0.00012	0.000093	0.000092	0.00010	0.00012	0.00011	0.00013	0.00013	0.00013	0.00012	0.00013
Vanadium	0.12	FEQG	0.00058	0.00087	0.00056	0.00041	0.00041	0.00041	0.00062	0.00062	0.00078	0.00060	0.00073	0.00098	0.00056	0.00056	0.00058	0.00098
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0020	0.0015	0.0015	0.0015	0.0015	0.0013	0.0020	0.0015	0.0015	0.0015	0.0020
Zirconium	0.004	iPWQO	0.00061	0.00078	0.00070	0.00079	0.00079	0.00079	0.00023	0.00023	0.00044	0.00044	0.00040	0.00052	0.00070	0.00070	0.00061	0.00079
Ammonia, Total (as N)	1.8	CCME	0.034	0.046	0.03400	0.04594	0.04594	0.04589	0.01425	0.01423	0.02058	0.022261	0.03898	0.0303	0.03399	0.03400	0.034	0.046
Ammonia, Unionized (as N)	0.019	CCME	0.00029	0.00040	0.00029	0.00040	0.00040	0.00039	0.00012	0.00012	0.00018	0.00019	0.00034	0.00026	0.00029	0.00029	0.00029	0.00040
Nitrite (as N)	0.06	CCME	0.0068	0.0085	0.0077	0.0085	0.0085	0.0085	0.00051	0.00050	0.00050	0.00050	0.0053	0.0058	0.0077	0.0077	0.0068	0.0085
Nitrate (as N)	3	CCME	0.034	0.13	0.034	0.13	0.13	0.13	0.0073	0.0073	0.012	0.013	0.015	0.042	0.034	0.034	0.034	0.13
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0027	0.0027	0.0027	0.0027	0.0027	0.00050	0.00050	0.0017	0.0017	0.0020	0.0020	0.0027	0.0027	0.0024	0.0027

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-27: Climate Change Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	5.3	5.8	5.7	5.8	5.8	5.8	4.9	4.8	3.8	5.1	5.0	4.9	5.7	5.7	5.4	5.8
Chloride	120	CCME	2.6	3.1	2.6	3.1	3.1	3.1	2.5	2.4	2.6	2.4	2.4	2.4	2.7	2.6	2.6	3.1
Aluminum	0.86	FEQG	0.13	0.22	0.11	0.063	0.063	0.064	0.16	0.16	0.19	0.17	0.14	0.24	0.11	0.11	0.12	0.24
Antimony	0.02	iPWQO	0.00038	0.00044	0.00040	0.00045	0.00045	0.00045	0.00027	0.00027	0.00036	0.00034	0.00034	0.00036	0.00040	0.00040	0.00038	0.00045
Arsenic	0.005	iPWQO	0.0078	0.010	0.0077	0.0081	0.0081	0.0081	0.0053	0.0053	0.0067	0.0073	0.011	0.0090	0.0078	0.0078	0.0078	0.011
Beryllium	0.011	PWQO	0.000010	0.000020	0.000012	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.000010	0.0000095	0.000031	0.000012	0.000012	0.000010	0.000031
Boron	1.5	CCME	0.0051	0.0079	0.0079	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0054	0.0057	0.0079	0.0079	0.0051	0.0079
Cadmium	0.000069	CCME	0.0000072	0.0000086	0.0000079	0.0000076	0.0000075	0.0000084	0.0000035	0.0000032	0.0000043	0.0000054	0.0000040	0.0000106	0.0000079	0.0000076	0.0000076	0.0000106
Calcium	-	-	11	12	11	12	12	12	10	10	10	9	11	11	11	11	11	12
Chromium	0.0089	iPWQO [2]	0.00051	0.00076	0.00044	0.00051	0.00051	0.00051	0.00053	0.00053	0.00050	0.00032	0.00038	0.0010	0.00044	0.00043	0.00050	0.0010
Cobalt	0.0009	iPWQO	0.00010	0.00018	0.00011	0.00010	0.00010	0.00010	0.00014	0.00014	0.00014	0.00010	0.00012	0.00022	0.00011	0.00010	0.00011	0.00022
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0013	0.0017	0.0016	0.0016	0.0016	0.0017
Iron	0.8	FEQG	0.19	0.29	0.17	0.17	0.18	0.18	0.25	0.25	0.24	0.23	0.18	0.32	0.17	0.17	0.18	0.32
Lead	0.012	FEQG	0.00010	0.00018	0.00010	0.00005	0.000053	0.000053	0.00012	0.00012	0.00011	0.00010	0.00021	0.00015	0.000095	0.00010	0.00010	0.0002
Magnesium	-	-	2.9	3.0	2.9	3.0	3.0	2.9	2.7	2.7	2.7	2.3	2.6	2.9	2.8	2.8	2.8	3.0
Manganese	-	-	0.012	0.015	0.0091	0.011	0.011	0.012	0.011	0.011	0.014	0.015	0.013	0.013	0.0088	0.0087	0.011	0.015
Mercury	0.000026	CCME	0.00000088	0.0000014	0.00000088	0.00000074	0.00000074	0.00000081	0.0000014	0.0000014	0.00000089	0.00000089	0.00000092	0.00000093	0.00000091	0.00000087	0.00000089	0.0000014
Molybdenum	31	SEQG	0.00022	0.00029	0.00021	0.00025	0.00025	0.00027	0.00019	0.00018	0.00023	0.00019	0.00024	0.00034	0.00022	0.00021	0.00022	0.00034
Nickel	0.025	CCME	0.0014	0.0016	0.0014	0.0015	0.0015	0.0015	0.0013	0.0013	0.0012	0.00093	0.0012	0.0016	0.0014	0.0014	0.0014	0.0016
Phosphorus	0.03	iPWQO	0.026	0.048	0.024	0.028	0.028	0.028	0.022	0.022	0.033	0.021	0.041	0.056	0.024	0.024	0.026	0.056
Potassium	-	-	1.1	1.2	1.1	1.2	1.2	1.2	1.0	1.0	1.0	0.87	1.0	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00010	0.00013	0.00013	0.00011	0.00010	0.00011	0.00010	0.00010	0.00012	0.000094	0.00011	0.0001	0.00012	0.00012	0.00011	0.0001
Silver	0.00025	CCME	0.000015	0.000022	0.000015	0.000019	0.000019	0.000019	0.0000058	0.0000058	0.0000065	0.0000063	0.000012	0.000026	0.000016	0.000015	0.000015	0.000026
Thallium	0.008	CCME	0.0000050	0.0000059	0.0000050	0.0000038	0.0000038	0.0000039	0.0000050	0.0000050	0.0000050	0.0000050	0.0000043	0.0000070	0.0000050	0.0000050	0.0000050	0.0000070
Tungsten	0.03	iPWQO	0.000049	0.000050	0.000049	0.000050	0.000050	0.000053	0.000052	0.000050	0.000049	0.000051	0.000050	0.000050	0.000051	0.000049	0.000050	0.000053
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00013	0.00013	0.00013	0.00011	0.00010	0.00011	0.00013	0.00012	0.00014	0.00014	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00062	0.00089	0.00058	0.00044	0.00044	0.00045	0.00065	0.00065	0.00079	0.00063	0.00075	0.00098	0.00058	0.00058	0.00061	0.0010
Zinc	0.03	CCME	0.0015	0.0020	0.0015	0.0020	0.0020	0.0021	0.0016	0.0015	0.0016	0.0016	0.0014	0.0020	0.0015	0.0015	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00061	0.00079	0.00071	0.00079	0.00079	0.00080	0.00027	0.00026	0.00048	0.00047	0.00042	0.00053	0.00072	0.00071	0.00062	0.00080
Ammonia, Total (as N)	1.8	CCME	0.035	0.048	0.03643	0.04771	0.04647	0.04649	0.01597	0.01593	0.02293	0.024392	0.03986	0.0317	0.03492	0.03476	0.035	0.048
Ammonia, Unionized (as N)	0.019	CCME	0.00030	0.00042	0.00031	0.00041	0.00040	0.00040	0.00014	0.00014	0.00020	0.00021	0.00034	0.00027	0.00030	0.00030	0.00030	0.00041
Nitrite (as N)	0.06	CCME	0.0069	0.0088	0.0081	0.0088	0.0088	0.0087	0.00094	0.00095	0.0015	0.0013	0.0055	0.0059	0.0080	0.0080	0.0069	0.0088
Nitrate (as N)	3	CCME	0.036	0.14	0.037	0.14	0.14	0.14	0.009	0.009	0.013	0.014	0.017	0.043	0.036	0.036	0.036	0.14
Cyanide, WAD	0.005	PWQO [3]	0.0024	0.0028	0.0028	0.0028	0.0028	0.0028	0.00061	0.00062	0.0018	0.0019	0.0021	0.0021	0.0028	0.0028	0.0025	0.0028

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-28: Climate Change Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.0	1.3	1.4	1.6	1.8	1.2	1.1	1.2	1.4	1.6	1.6	1.5	1.2	1.4	1.8
Chloride	120	CCME	0.5	1.2	1.3	0.6	0.7	0.9	0.56	0.47	0.58	0.66	0.75	0.78	1.3	1.2	0.7	1.3
Aluminum	0.8	FEQG	0.14	0.21	0.13	0.10	0.099	0.09	0.17	0.18	0.14	0.13	0.10	0.10	0.12	0.13	0.12	0.18
Antimony	0.02	iPWQO	0.00039	0.00042	0.00041	0.00042	0.00042	0.00040	0.00024	0.00024	0.00040	0.00041	0.00026	0.00026	0.00040	0.00040	0.00040	0.00042
Arsenic	0.005	iPWQO	0.0021	0.0032	0.0018	0.0022	0.0022	0.0022	0.0018	0.0018	0.0031	0.0030	0.0020	0.0020	0.0018	0.0018	0.0020	0.0031
Beryllium	0.011	PWQO	0.000012	0.000023	0.000023	0.000012	0.000012	0.000012	0.000011	0.000011	0.000013	0.000013	0.000011	0.000011	0.000022	0.000023	0.000012	0.000023
Boron	1.5	CCME	0.0059	0.0062	0.0064	0.0063	0.0065	0.0067	0.0058	0.0057	0.0061	0.0063	0.0061	0.0061	0.0066	0.0064	0.0063	0.0067
Cadmium	0.000078	CCME	0.0000059	0.000020	0.000019	0.0000058	0.0000058	0.0000058	0.0000046	0.0000045	0.0000082	0.0000081	0.0000028	0.0000028	0.000018	0.000019	0.0000058	0.000019
Calcium	-	-	12	15	12	15	15	14	10	10	11	11	10	10	12	12	11	15
Chromium	0.0089	iPWQO [2]	0.00056	0.00071	0.00044	0.00062	0.00063	0.00064	0.00055	0.00054	0.00069	0.00070	0.00046	0.00047	0.00047	0.00044	0.00054	0.00070
Cobalt	0.0009	iPWQO	0.00015	0.00019	0.00015	0.00016	0.00017	0.00016	0.00013	0.00013	0.00018	0.00018	0.00014	0.00013	0.00015	0.00015	0.00015	0.00018
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00093	0.00093	0.00081	0.00081	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.49	0.58	0.45	0.46	0.45	0.41	0.43	0.45	0.53	0.52	0.35	0.35	0.43	0.45	0.45	0.53
Lead	0.016	FEQG	0.00017	0.00021	0.00016	0.00015	0.00015	0.00014	0.00015	0.00015	0.00019	0.00019	0.00011	0.00011	0.00015	0.00016	0.00015	0.00019
Magnesium	-	-	3.3	4.2	3.1	4.0	4.0	3.7	2.9	2.9	3.3	3.2	2.8	2.8	3.1	3.1	3.1	4.0
Manganese	-	-	0.021	0.049	0.020	0.043	0.043	0.040	0.019	0.019	0.043	0.043	0.017	0.017	0.020	0.020	0.020	0.043
Mercury	0.000026	CCME	0.0000013	0.0000017	0.0000014	0.0000015	0.0000016	0.0000020	0.0000017	0.0000015	0.0000015	0.0000017	0.0000018	0.0000019	0.0000017	0.0000014	0.0000016	0.0000020
Molybdenum	31	SEQG	0.00024	0.00026	0.00027	0.00030	0.00035	0.00049	0.00033	0.00025	0.00032	0.00037	0.00042	0.00044	0.00037	0.00027	0.00034	0.00049
Nickel	0.025	CCME	0.00072	0.00086	0.00083	0.00066	0.00066	0.00063	0.00062	0.00063	0.00073	0.00073	0.00064	0.00063	0.00080	0.00082	0.00066	0.00083
Phosphorus	0.03	iPWQO	0.031	0.037	0.036	0.024	0.024	0.023	0.034	0.035	0.019	0.019	0.028	0.028	0.035	0.036	0.028	0.036
Potassium	-	-	1.1	1.2	1.2	1.3	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.2	1.4
Selenium	0.002	BC WQG	0.00011	0.00015	0.000071	0.00016	0.00016	0.00018	0.00012	0.00012	0.00012	0.00013	0.00011	0.00012	0.000088	0.000069	0.00012	0.00018
Silver	0.00025	CCME	0.000023	0.000024	0.000023	0.000023	0.000024	0.000023	0.000015	0.000014	0.000023	0.000023	0.000016	0.000016	0.000023	0.000023	0.000023	0.000024
Thallium	0.008	CCME	0.0000038	0.0000055	0.0000039	0.0000040	0.0000041	0.0000045	0.0000052	0.0000051	0.0000038	0.0000039	0.0000058	0.0000058	0.0000042	0.0000039	0.0000041	0.0000058
Tungsten	0.03	iPWQO	0.000023	0.000036	0.000025	0.000037	0.000045	0.000067	0.000055	0.000045	0.000028	0.000038	0.000065	0.000068	0.000040	0.000023	0.000042	0.000068
Uranium	0.015	CCME	0.00021	0.00024	0.00024	0.00022	0.00023	0.00029	0.00025	0.00023	0.00018	0.00020	0.00026	0.00027	0.00027	0.00023	0.00024	0.00029
Vanadium	0.12	FEQG	0.00082	0.0010	0.00082	0.00078	0.00081	0.00094	0.00101	0.00096	0.00083	0.00088	0.00087	0.00089	0.00089	0.00081	0.00088	0.00101
Zinc	0.03	CCME	0.0016	0.0021	0.0011	0.0020	0.0020	0.0021	0.0016	0.0016	0.0020	0.0020	0.0015	0.0015	0.0012	0.0011	0.0016	0.0021
Zirconium	0.004	iPWQO	0.00090	0.00094	0.00091	0.00092	0.00092	0.00088	0.00060	0.00060	0.00089	0.00090	0.00062	0.00063	0.00089	0.00090	0.00089	0.0009
Ammonia, Total (as N)	1.8	CCME	0.047	0.048	0.048968	0.05052	0.05237	0.05093	0.02957	0.02888	0.04770	0.04921	0.05000	0.04971	0.049136	0.047747	0.049	0.052
Ammonia, Unionized (as N)	0.019	CCME	0.00041	0.00041	0.00042	0.00043	0.00045	0.00044	0.00025	0.00025	0.00041	0.00042	0.00043	0.00043	0.00042	0.00041	0.00042	0.00045
Nitrite (as N)	0.06	CCME	0.013	0.014	0.013	0.013	0.013	0.011	0.0063	0.0066	0.013	0.012	0.0065	0.0064	0.012	0.013	0.012	0.013
Nitrate (as N)	3	CCME	0.059	0.20	0.065	0.19	0.19	0.16	0.024	0.021	0.028	0.029	0.051	0.050	0.062	0.065	0.056	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0045	0.0047	0.0044	0.0044	0.0043	0.0039	0.0019	0.0019	0.0020	0.0042	0.0041	0.0039	0.0041	0.0044	0.0041	0.0044

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-29: Climate Change Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.5	1.7	1.8	2.7	1.8	1.4	1.5	1.8	2.3	2.4	2.0	1.4	1.8	2.7
Chloride	120	CCME	0.9	1.6	1.4	0.9	1.2	1.4	0.8	0.7	0.9	0.9	1.0	1.1	1.4	1.3	1.1	1.4
Aluminum	0.73	FEQG	0.22	0.29	0.16	0.14	0.14	0.13	0.20	0.20	0.20	0.16	0.13	0.15	0.17	0.14	0.15	0.20
Antimony	0.02	iPWQO	0.00028	0.00033	0.00038	0.00039	0.00040	0.00043	0.00027	0.00024	0.00041	0.00039	0.00029	0.00034	0.00040	0.00037	0.00038	0.00043
Arsenic	0.005	iPWQO	0.0023	0.0031	0.0019	0.0022	0.0023	0.0023	0.0020	0.0019	0.0030	0.0031	0.0024	0.0023	0.0021	0.0019	0.0023	0.0031
Beryllium	0.011	PWQO	0.000016	0.000022	0.000022	0.000013	0.000013	0.000013	0.000010	0.000011	0.000014	0.000013	0.000012	0.000012	0.000021	0.000020	0.000013	0.000022
Boron	1.5	CCME	0.0057	0.0059	0.0062	0.0061	0.0062	0.0065	0.0058	0.0057	0.0061	0.0061	0.0063	0.0062	0.0064	0.0062	0.0062	0.0065
Cadmium	0.000083	CCME	0.0000078	0.000017	0.000024	0.000014	0.000013	0.000024	0.000016	0.000011	0.000013	0.000016	0.000018	0.000019	0.000026	0.000020	0.000017	0.000026
Calcium	-	-	12	16	13	15	15	15	10	10	11	11	11	13	12	12	12	15
Chromium	0.0089	iPWQO [2]	0.00071	0.00087	0.00051	0.00065	0.00069	0.00067	0.00060	0.00060	0.00076	0.00067	0.00051	0.00053	0.00050	0.00046	0.00060	0.00076
Cobalt	0.0009	iPWQO	0.00018	0.00023	0.00018	0.00019	0.00022	0.00026	0.00019	0.00017	0.00022	0.00022	0.00021	0.00022	0.00020	0.00017	0.00021	0.00026
Copper	0.005	iPWQO	0.0011	0.0012	0.0011	0.0010	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.00088	0.00086	0.0011	0.0011	0.0010	0.0011
Iron	0.8	FEQG	0.59	0.75	0.48	0.49	0.55	0.50	0.47	0.49	0.58	0.54	0.41	0.42	0.46	0.45	0.49	0.58
Lead	0.017	FEQG	0.00018	0.00022	0.00017	0.00016	0.000163	0.000152	0.000151	0.00016	0.00020	0.00019	0.00013	0.00013	0.00016	0.00016	0.00016	0.00020
Magnesium	-	-	3.7	4.5	3.5	4.2	4.1	3.9	3.1	3.1	3.3	3.5	3.1	3.4	3.3	3.3	3.4	4.2
Manganese	-	-	0.033	0.058	0.026	0.045	0.048	0.048	0.024	0.023	0.047	0.051	0.027	0.028	0.024	0.022	0.027	0.051
Mercury	0.000026	CCME	0.0000019	0.0000026	0.0000018	0.0000019	0.0000020	0.0000026	0.0000025	0.0000022	0.0000021	0.0000022	0.0000024	0.0000025	0.0000022	0.0000016	0.0000022	0.0000026
Molybdenum	31	SEQG	0.00026	0.00031	0.00030	0.00033	0.00034	0.00049	0.00033	0.00026	0.00031	0.00037	0.00043	0.00047	0.00037	0.00028	0.00034	0.00049
Nickel	0.025	CCME	0.00087	0.00093	0.00087	0.00074	0.00081	0.0009	0.00078	0.00074	0.00086	0.00086	0.0009	0.00086	0.00093	0.00084	0.00086	0.0009
Phosphorus	0.03	iPWQO	0.034	0.036	0.035	0.026	0.027	0.026	0.033	0.034	0.022	0.023	0.030	0.029	0.034	0.035	0.029	0.035
Potassium	-	-	1.2	1.4	1.3	1.4	1.4	1.5	1.2	1.1	1.1	1.2	1.2	1.3	1.3	1.2	1.2	1.5
Selenium	0.002	BC WQG	0.00011	0.00032	0.00019	0.00026	0.00017	0.00022	0.00016	0.00014	0.00014	0.00015	0.00016	0.00017	0.000130	0.00009	0.00016	0.00026
Silver	0.00025	CCME	0.000018	0.000024	0.000022	0.000022	0.000023	0.000024	0.000016	0.000015	0.000024	0.000022	0.000018	0.000019	0.000025	0.000021	0.000022	0.000025
Thallium	0.008	CCME	0.0000046	0.0000062	0.0000043	0.0000043	0.0000045	0.0000050	0.0000054	0.0000053	0.0000050	0.0000043	0.0000060	0.0000064	0.0000052	0.0000043	0.0000050	0.0000064
Tungsten	0.03	iPWQO	0.000038	0.000075	0.000035	0.000047	0.000054	0.000089	0.000070	0.000055	0.000040	0.000058	0.000093	0.000103	0.000060	0.000038	0.000057	0.000103
Uranium	0.015	CCME	0.00024	0.00035	0.00030	0.00028	0.00025	0.00031	0.00026	0.00023	0.00020	0.00024	0.00028	0.00031	0.00029	0.00025	0.00027	0.00031
Vanadium	0.12	FEQG	0.0010	0.0012	0.00090	0.00087	0.00090	0.00099	0.00106	0.00102	0.00099	0.0010	0.00094	0.00099	0.00095	0.00086	0.00097	0.0011
Zinc	0.03	CCME	0.0016	0.0024	0.0015	0.0023	0.0023	0.0029	0.0022	0.0019	0.0024	0.0023	0.0022	0.0023	0.0018	0.0014	0.0022	0.0029
Zirconium	0.004	iPWQO	0.00078	0.00094	0.00089	0.00091	0.00094	0.0010	0.00069	0.00065	0.00095	0.00089	0.00074	0.00079	0.00097	0.00084	0.00089	0.0010
Ammonia, Total (as N)	1.8	CCME	0.049	0.10	0.07029	0.07127	0.05395	0.05384	0.03683	0.03604	0.05160	0.05147	0.05300	0.05203	0.049548	0.04653	0.052	0.071
Ammonia, Unionized (as N)	0.019	CCME	0.00042	0.00084	0.00060	0.00061	0.00046	0.00046	0.00032	0.00031	0.00044	0.00044	0.00046	0.00045	0.00043	0.00040	0.00045	0.00061
Nitrite (as N)	0.06	CCME	0.011	0.015	0.012	0.012	0.013	0.011	0.0061	0.0062	0.013	0.011	0.0078	0.0075	0.013	0.011	0.011	0.013
Nitrate (as N)	3	CCME	0.059	0.19	0.076	0.18	0.19	0.16	0.029	0.023	0.030	0.030	0.050	0.054	0.063	0.063	0.059	0.19
Cyanide, WAD	0.005	PWQO [3]	0.0031	0.0042	0.0038	0.0038	0.0037	0.0034	0.0019	0.0020	0.0025	0.0039	0.0037	0.0038	0.0043	0.0038	0.0038	0.0043

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-30: Climate Change Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Climate Change Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	3.8	4.2	4.0	4.0	4.1	4.1	4.0	3.8	3.7	3.7	3.8	3.9	3.9	4.0	3.9	4.1
Chloride	120	CCME	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.9
Aluminum	1.4	FEQG	0.19	0.20	0.19	0.19	0.18	0.18	0.16	0.16	0.16	0.17	0.18	0.19	0.20	0.20	0.18	0.20
Antimony	0.02	iPWQO	0.00023	0.00026	0.00025	0.00025	0.00025	0.00026	0.00026	0.00024	0.00022	0.00022	0.00023	0.00024	0.00024	0.00024	0.00024	0.00026
Arsenic	0.005	iPWQO	0.0055	0.0060	0.0056	0.0057	0.0057	0.0056	0.0054	0.0050	0.0046	0.0046	0.0048	0.0051	0.0054	0.0056	0.0054	0.0057
Beryllium	0.011	PWQO	0.000012	0.000013	0.000012	0.000012	0.000012	0.000012	0.000011	0.000010	0.000010	0.000010	0.000010	0.000011	0.000011	0.00001	0.000011	0.000012
Boron	1.5	CCME	0.0054	0.0060	0.0056	0.0058	0.0059	0.0058	0.0056	0.0052	0.0051	0.0051	0.0052	0.0053	0.0054	0.0055	0.0054	0.0059
Cadmium	0.000073	CCME	0.0000047	0.0000055	0.0000054	0.0000056	0.0000057	0.0000058	0.0000058	0.0000053	0.0000049	0.0000047	0.0000047	0.0000047	0.0000049	0.0000051	0.0000052	0.0000058
Calcium	-	-	12	12	12	12	12	12	12	11	11	11	11	11	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00054	0.00057	0.00056	0.00055	0.00055	0.00054	0.00053	0.00051	0.00051	0.00052	0.00053	0.00053	0.00054	0.00056	0.00054	0.00056
Cobalt	0.0009	iPWQO	0.00013	0.00013	0.00013	0.00013	0.00013	0.00012	0.00012	0.00011	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013
Copper	0.005	iPWQO	0.0014	0.0015	0.0014	0.0015	0.0015	0.0015	0.0014	0.0014	0.0013	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015
Iron	0.79	FEQG	0.26	0.27	0.26	0.25	0.25	0.24	0.23	0.23	0.23	0.24	0.25	0.26	0.26	0.26	0.25	0.26
Lead	0.013	FEQG	0.00012	0.00013	0.00012	0.00012	0.00012	0.00011	0.00010	0.00010	0.00010	0.00011	0.00011	0.00012	0.00012	0.00013	0.00011	0.00013
Magnesium	-	-	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9
Manganese	-	-	0.012	0.013	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.012	0.013
Mercury	0.000026	CCME	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000011	0.0000011	0.0000011	0.0000011	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012	0.0000012
Molybdenum	31	SEQG	0.00022	0.00024	0.00023	0.00023	0.00023	0.00023	0.00022	0.00021	0.00021	0.00021	0.00021	0.00022	0.00022	0.00023	0.00022	0.00023
Nickel	0.025	CCME	0.0011	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
Phosphorus	0.02	iPWQO	0.029	0.031	0.030	0.030	0.029	0.029	0.028	0.026	0.025	0.026	0.026	0.027	0.029	0.030	0.028	0.030
Potassium	-	-	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Selenium	0.002	BC WQG	0.00010	0.00011	0.00010	0.00010	0.00011	0.00010	0.00010	0.00010	0.00009	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011
Silver	0.00025	CCME	0.0000090	0.000011	0.000010	0.000010	0.000011	0.000011	0.000011	0.0000101	0.0000089	0.0000082	0.0000079	0.0000079	0.0000084	0.0000091	0.0000094	0.000011
Thallium	0.008	CCME	0.0000051	0.0000054	0.0000052	0.0000052	0.0000051	0.0000050	0.0000048	0.0000046	0.0000046	0.0000047	0.0000049	0.0000050	0.0000051	0.0000052	0.0000050	0.0000052
Tungsten	0.03	iPWQO	0.000051	0.000053	0.000052	0.000052	0.000051	0.000051	0.000050	0.000048	0.000048	0.000049	0.000051	0.000052	0.000052	0.000052	0.000051	0.000052
Uranium	0.015	CCME	0.00011	0.00012	0.00012	0.00012	0.00012	0.00012	0.00012	0.00011	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00012
Vanadium	0.12	FEQG	0.00078	0.00081	0.00079	0.00078	0.00077	0.00074	0.00070	0.00067	0.00068	0.00071	0.00074	0.00076	0.00078	0.00079	0.00075	0.00079
Zinc	0.03	CCME	0.0016	0.0017	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
Zirconium	0.004	iPWQO	0.00039	0.00046	0.00042	0.00043	0.00045	0.00047	0.00048	0.00044	0.00039	0.00038	0.00038	0.00039	0.00039	0.00040	0.00041	0.00048
Ammonia, Total (as N)	1.8	CCME	0.023	0.026	0.02379	0.02439	0.02530	0.02630	0.02678	0.02476	0.02226	0.02121	0.02119	0.02175	0.02258	0.02325	0.024	0.027
Ammonia, Unionized (as N)	0.019	CCME	0.00019	0.00022	0.00020	0.00021	0.00022	0.00023	0.00023	0.00021	0.00019	0.00018	0.00018	0.00019	0.00019	0.00020	0.00020	0.00023
Nitrite (as N)	0.06	CCME	0.0026	0.0038	0.0029	0.0033	0.0036	0.0040	0.0041	0.0036	0.0029	0.0025	0.0022	0.0022	0.0023	0.0025	0.0029	0.0041
Nitrate (as N)	3	CCME	0.024	0.035	0.025	0.026	0.029	0.036	0.044	0.043	0.037	0.031	0.028	0.026	0.025	0.025	0.029	0.044
Cyanide, WAD	0.005	PWQO [3]	0.0013	0.0016	0.0014	0.0015	0.0016	0.0016	0.0016	0.0014	0.0012	0.0012	0.0012	0.0012	0.0013	0.0013	0.0014	0.0016

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-31: Upper Case Operations Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	6.3	6.8	7.5	7.6	7.6	9.2	7.7	7.4	7.8	8.4	8.4	8.1	7.4	7.3	7.7	9.1
Chloride	120	CCME	3.0	3.7	3.1	3.8	3.8	4.1	3.1	3.0	3.1	3.2	3.1	3.1	3.1	3.1	3.1	4.1
Aluminum	0.98	FEQG	0.16	0.21	0.14	0.110	0.110	0.11	0.17	0.17	0.19	0.19	0.21	0.21	0.14	0.14	0.16	0.21
Antimony	0.02	iPWQO	0.00043	0.00045	0.00047	0.00048	0.00048	0.00052	0.00035	0.00034	0.00047	0.00049	0.00049	0.00048	0.00047	0.00047	0.00048	0.00053
Arsenic	0.005	iPWQO	0.0100	0.013	0.0085	0.0100	0.0100	0.0099	0.0057	0.0057	0.0108	0.0108	0.013	0.0125	0.0084	0.0085	0.0100	0.013
Beryllium	0.011	PWQO	0.000010	0.000014	0.000014	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000010	0.0000104	0.000010	0.000014	0.000014	0.000011	0.000014
Boron	1.5	CCME	0.0057	0.0087	0.0091	0.0062	0.0062	0.0070	0.0058	0.0057	0.0078	0.0081	0.0069	0.0068	0.0091	0.0091	0.0069	0.0091
Cadmium	0.000067	CCME	0.0000097	0.0000140	0.0000164	0.0000166	0.0000167	0.000021	0.0000094	0.0000085	0.0000100	0.0000120	0.0000130	0.0000125	0.0000161	0.0000159	0.0000150	0.000021
Calcium	-	-	12	12	12	12	12	13	10	10	12	12.2	12	12	12	12	12	13
Chromium	0.0089	iPWQO [2]	0.00059	0.00167	0.00057	0.00167	0.00167	0.00167	0.00059	0.00059	0.00037	0.00037	0.00071	0.00071	0.00057	0.00057	0.00059	0.0017
Cobalt	0.0009	iPWQO	0.00014	0.00020	0.00013	0.000169	0.000170	0.00021	0.00017	0.00017	0.00015	0.00015	0.00022	0.00022	0.00013	0.00013	0.00017	0.00023
Copper	0.005	iPWQO	0.0018	0.0027	0.0019	0.0027	0.0027	0.0027	0.0015	0.0015	0.0015	0.0015	0.0017	0.0017	0.0019	0.0019	0.0018	0.0027
Iron	0.8	FEQG	0.24	1.1	0.19	1.1	1.1	1.1	0.24	0.24	0.25	0.25	0.26	0.26	0.19	0.19	0.25	1.1
Lead	0.012	FEQG	0.000118	0.00017	0.00012	0.000088	0.000088	0.000090	0.00012	0.00012	0.00010	0.000106	0.00018	0.00018	0.000121	0.00012	0.000120	0.00018
Magnesium	-	-	3.0	3.2	3.0	3.2	3.2	3.3	2.7	2.7	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.3
Manganese	-	-	0.0123	0.013	0.0096	0.0132	0.0132	0.0133	0.011	0.011	0.012	0.012	0.013	0.013	0.0097	0.010	0.012	0.013
Mercury	0.000026	CCME	0.00000138	0.0000016	0.00000144	0.00000145	0.00000146	0.00000159	0.0000017	0.0000017	0.00000110	0.00000116	0.0000012	0.0000012	0.00000144	0.00000143	0.00000144	0.0000018
Molybdenum	31	SEQG	0.00023	0.00027	0.00024	0.00030	0.00030	0.00039	0.00026	0.00025	0.00029	0.00031	0.00031	0.00032	0.00025	0.00024	0.00029	0.00039
Nickel	0.025	CCME	0.0016	0.0031	0.0016	0.0031	0.0031	0.0031	0.0014	0.0014	0.0013	0.00131	0.0017	0.0017	0.0016	0.0016	0.0016	0.0031
Phosphorus	0.03	iPWQO	0.031	0.060	0.028	0.032	0.032	0.032	0.023	0.023	0.030	0.030	0.060	0.060	0.028	0.028	0.030	0.060
Potassium	-	-	1.1	1.3	1.1	1.4	1.4	1.4	1.0	1.0	1.1	1.12	1.2	1.1	1.1	1.1	1.1	1.4
Selenium	0.002	BC WQG	0.00012	0.00020	0.00022	0.00013	0.00013	0.00016	0.00015	0.00014	0.00013	0.00014	0.00014	0.00014	0.00021	0.00021	0.00015	0.0002
Silver	0.00025	CCME	0.000025	0.000025	0.000025	0.000025	0.000026	0.000026	0.0000062	0.0000060	0.0000259	0.0000263	0.000021	0.000021	0.000025	0.000025	0.000025	0.000026
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000056	0.0000053	0.0000053	0.0000141	0.0000106	0.0000100	0.0000063	0.0000065	0.0000073	0.0000073	0.0000052	0.0000061	0.0000074	0.0000139
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000073	0.000078	0.000080	0.000126	0.000104	0.000096	0.000100	0.000119	0.000121	0.000118	0.000070	0.000070	0.000096	0.00013
Uranium	0.015	CCME	0.00013	0.00013	0.00014	0.00013	0.00013	0.00014	0.00012	0.00012	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
Vanadium	0.12	FEQG	0.00069	0.00094	0.00069	0.00046	0.00046	0.00047	0.00065	0.00065	0.00081	0.00081	0.00095	0.00095	0.00069	0.00069	0.00069	0.0009
Zinc	0.03	CCME	0.0019	0.0050	0.0019	0.0030	0.0030	0.0030	0.0050	0.0050	0.0015	0.0015	0.0015	0.0015	0.0019	0.002	0.0019	0.0050
Zirconium	0.004	iPWQO	0.00091	0.00100	0.00100	0.00100	0.00100	0.00099	0.00025	0.00025	0.00080	0.00080	0.00082	0.00082	0.00100	0.00100	0.00091	0.00100
Ammonia, Total (as N)	1.8	CCME	0.050	0.050	0.073	0.075	0.082	0.14	0.083	0.074	0.088	0.106	0.12	0.118	0.073	0.071	0.084	0.14
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00043	0.00063	0.00065	0.00071	0.00120	0.00071	0.00064	0.00075	0.00091	0.00103	0.00101	0.00063	0.00061	0.00072	0.00119
Nitrite (as N)	0.06	CCME	0.0150	0.0150	0.0158	0.0159	0.0162	0.018	0.0027	0.0024	0.0166	0.0172	0.0141	0.0140	0.0158	0.0157	0.0157	0.018
Nitrate (as N)	3	CCME	0.065	0.17	0.138	0.21	0.23	0.32	0.112	0.099	0.103	0.13	0.15	0.14	0.140	0.135	0.14	0.32
Cyanide, WAD	0.005	PWQO [3]	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0007	0.0007	0.0050	0.0050	0.0040	0.0040	0.0050	0.0050	0.0050	0.0050

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-32: Upper Case Operations Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	6.0	6.4	7.1	7.3	7.3	8.8	7.3	7.0	7.3	8.0	8.0	7.8	7.1	7.0	7.3	8.7
Chloride	120	CCME	2.9	3.6	3.0	3.7	3.7	3.9	3.0	2.9	3.0	3.1	3.0	3.1	3.1	3.0	3.0	3.9
Aluminum	0.86	FEQG	0.18	0.23	0.15	0.119	0.119	0.120	0.18	0.18	0.20	0.21	0.21	0.21	0.16	0.15	0.17	0.21
Antimony	0.02	iPWQO	0.00043	0.00045	0.00047	0.00048	0.00048	0.00051	0.00036	0.00035	0.00047	0.00049	0.00049	0.00048	0.00047	0.00047	0.00048	0.00052
Arsenic	0.005	iPWQO	0.0095	0.012	0.0081	0.0095	0.0095	0.0094	0.0054	0.0054	0.0103	0.0103	0.012	0.0120	0.0081	0.0081	0.0095	0.012
Beryllium	0.011	PWQO	0.000012	0.000014	0.000014	0.000012	0.000012	0.000012	0.000011	0.000011	0.000011	0.000011	0.0000106	0.000011	0.000014	0.000014	0.000012	0.000014
Boron	1.5	CCME	0.0059	0.009	0.0090	0.0062	0.0063	0.0069	0.0059	0.0058	0.0077	0.0080	0.0069	0.0068	0.0089	0.0089	0.0069	0.0090
Cadmium	0.000069	CCME	0.0000096	0.0000140	0.0000161	0.0000164	0.0000165	0.000020	0.0000093	0.0000084	0.0000102	0.0000120	0.0000126	0.0000122	0.0000160	0.0000157	0.0000149	0.000020
Calcium	-	-	12	12	12	12	12	13	10	10	12	12.3	12	12	12	12	12	13
Chromium	0.0089	iPWQO [2]	0.00061	0.00161	0.00058	0.00161	0.00161	0.00160	0.00060	0.00060	0.00042	0.00042	0.00070	0.0007	0.00058	0.00057	0.00060	0.0016
Cobalt	0.0009	iPWQO	0.00016	0.00020	0.00014	0.00017	0.00017	0.00021	0.00017	0.00017	0.00016	0.00017	0.00022	0.00021	0.00013	0.00014	0.00017	0.00023
Copper	0.005	iPWQO	0.0018	0.0026	0.0019	0.0026	0.0026	0.0026	0.0015	0.0015	0.0015	0.0015	0.0016	0.0016	0.0019	0.0019	0.0018	0.0026
Iron	0.8	FEQG	0.29	1.1	0.22	1.1	1.1	1.1	0.26	0.26	0.28	0.28	0.28	0.28	0.21	0.21	0.28	1.1
Lead	0.012	FEQG	0.00013	0.00018	0.00013	0.000103	0.000103	0.000104	0.00013	0.00013	0.00012	0.00012	0.00018	0.00018	0.000131	0.00013	0.00013	0.00018
Magnesium	-	-	3.1	3.3	3.1	3.3	3.3	3.3	2.7	2.7	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.3
Manganese	-	-	0.016	0.018	0.0127	0.016	0.016	0.016	0.012	0.012	0.017	0.017	0.015	0.015	0.0115	0.012	0.015	0.017
Mercury	0.000026	CCME	0.00000139	0.0000017	0.00000145	0.00000145	0.00000147	0.00000159	0.0000018	0.0000017	0.0000012	0.0000012	0.0000012	0.0000012	0.00000144	0.00000144	0.0000014	0.0000018
Molybdenum	31	SEQG	0.00024	0.00027	0.00025	0.00030	0.00030	0.00038	0.00026	0.00025	0.00029	0.00031	0.00031	0.00032	0.00025	0.00025	0.00029	0.00038
Nickel	0.025	CCME	0.0016	0.0030	0.0016	0.0030	0.0030	0.0030	0.0014	0.0014	0.0013	0.00129	0.0017	0.0017	0.0016	0.0016	0.0016	0.0030
Phosphorus	0.03	iPWQO	0.031	0.059	0.028	0.032	0.032	0.032	0.024	0.024	0.030	0.031	0.059	0.059	0.028	0.028	0.031	0.059
Potassium	-	-	1.1	1.3	1.2	1.4	1.4	1.4	1.1	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.4
Selenium	0.002	BC WQG	0.00012	0.00021	0.00021	0.00013	0.00013	0.00016	0.00015	0.00014	0.00013	0.00014	0.00014	0.0001	0.00021	0.00021	0.00014	0.0002
Silver	0.00025	CCME	0.000025	0.000025	0.000025	0.000025	0.000025	0.000026	0.0000073	0.0000072	0.0000258	0.0000261	0.000021	0.000021	0.000025	0.000025	0.000025	0.000026
Thallium	0.008	CCME	0.0000050	0.0000054	0.0000055	0.0000052	0.0000053	0.0000135	0.0000103	0.0000097	0.0000064	0.0000066	0.0000072	0.0000072	0.0000052	0.0000060	0.0000073	0.0000133
Tungsten	0.03	iPWQO	0.000050	0.000056	0.000071	0.000075	0.000077	0.000120	0.000101	0.000093	0.000095	0.000115	0.000121	0.000116	0.000070	0.000068	0.000093	0.00012
Uranium	0.015	CCME	0.00014	0.00015	0.00015	0.00014	0.00014	0.00015	0.00013	0.00013	0.00014	0.00015	0.00014	0.00015	0.00015	0.00014	0.00014	0.00015
Vanadium	0.12	FEQG	0.00071	0.00095	0.00071	0.00050	0.00050	0.00050	0.00068	0.00068	0.00085	0.00086	0.00095	0.00095	0.00071	0.00071	0.00071	0.0010
Zinc	0.03	CCME	0.0019	0.0048	0.0020	0.0030	0.0030	0.0030	0.0049	0.0048	0.0018	0.0017	0.0016	0.0016	0.0019	0.0019	0.0020	0.0049
Zirconium	0.004	iPWQO	0.00092	0.00100	0.00100	0.00100	0.00100	0.00099	0.00030	0.00030	0.00081	0.00081	0.00083	0.00083	0.00100	0.00100	0.00091	0.00100
Ammonia, Total (as N)	1.8	CCME	0.050	0.051	0.074	0.076	0.083	0.14	0.085	0.077	0.086	0.103	0.12	0.115	0.073	0.072	0.085	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00044	0.00063	0.00065	0.00071	0.00117	0.00073	0.00066	0.00074	0.00089	0.00101	0.00099	0.00063	0.00062	0.00073	0.00116
Nitrite (as N)	0.06	CCME	0.0149	0.0150	0.0158	0.0159	0.016	0.018	0.0035	0.0032	0.0165	0.0170	0.0142	0.0141	0.0158	0.0157	0.0157	0.018
Nitrate (as N)	3	CCME	0.069	0.17	0.142	0.21	0.23	0.31	0.111	0.098	0.098	0.13	0.15	0.14	0.142	0.138	0.14	0.31
Cyanide, WAD	0.005	PWQO [3]	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-33: Upper Case Operations Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
			Median	95th	January	February	March	April	May	June	July	August	September	October	November	December	Median	95th
Sulphate	218	BC WQG	1.0	1.2	2.7	2.9	3.1	2.4	2.0	1.6	1.5	1.7	1.9	2.2	2.0	2.6	2.0	3.1
Chloride	120	CCME	0.90	1.2	1.2	1.20	1.19	1.13	0.63	0.62	0.51	0.51	0.53	0.54	1.1	1.2	0.87	1.2
Aluminum	0.8	FEQG	0.20	0.27	0.20	0.20	0.21	0.20	0.23	0.23	0.20	0.20	0.13	0.14	0.20	0.20	0.20	0.23
Antimony	0.02	iPWQO	0.00044	0.00044	0.00049	0.00050	0.00050	0.00048	0.00046	0.00045	0.00045	0.00046	0.00046	0.00047	0.00046	0.00049	0.00047	0.00051
Arsenic	0.005	iPWQO	0.0023	0.0036	0.0025	0.0025	0.0025	0.0025	0.0020	0.0019	0.0036	0.0036	0.0026	0.0026	0.0025	0.0025	0.0025	0.0036
Beryllium	0.011	PWQO	0.000022	0.000024	0.000023	0.000023	0.000023	0.000022	0.000014	0.000014	0.000020	0.000020	0.000012	0.000012	0.000023	0.000023	0.000021	0.000023
Boron	1.5	CCME	0.0070	0.0078	0.0071	0.0071	0.0070	0.0069	0.0061	0.0061	0.0076	0.0076	0.0065	0.0065	0.0070	0.0070	0.0070	0.0076
Cadmium	0.000078	CCME	0.0000099	0.000010	0.000013	0.0000132	0.0000137	0.0000126	0.0000076	0.0000071	0.0000105	0.000011	0.0000057	0.0000059	0.000012	0.000012	0.0000115	0.000014
Calcium	-	-	14	16	15	15	15	15	11	11	12	12	12	12	15	15	13	15
Chromium	0.0089	iPWQO [2]	0.00065	0.00079	0.00064	0.00064	0.00064	0.00062	0.00058	0.00058	0.00074	0.00074	0.00050	0.00050	0.00063	0.00063	0.00063	0.00074
Cobalt	0.0009	iPWQO	0.00018	0.00030	0.00023	0.00023	0.00024	0.00021	0.00016	0.00015	0.00030	0.00030	0.00016	0.00017	0.00020	0.00022	0.00021	0.00030
Copper	0.005	iPWQO	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011	0.00104	0.00104	0.00087	0.00087	0.0011	0.0012	0.0011	0.0012
Iron	0.8	FEQG	0.63	0.68	0.64	0.64	0.64	0.62	0.50	0.50	0.57	0.56	0.45	0.45	0.62	0.63	0.59	0.64
Lead	0.016	FEQG	0.00022	0.00023	0.00032	0.00032	0.00034	0.00030	0.00023	0.00022	0.00025	0.00026	0.00021	0.00021	0.00029	0.00030	0.00027	0.00034
Magnesium	-	-	4.0	4.5	4.2	4.2	4.1	4.1	3.2	3.2	3.4	3.4	3.3	3.3	4.1	4.1	3.7	4.2
Manganese	-	-	0.047	0.081	0.046	0.046	0.046	0.045	0.022	0.021	0.075	0.075	0.028	0.028	0.045	0.046	0.045	0.075
Mercury	0.000026	CCME	0.0000014	0.0000024	0.0000014	0.0000014	0.0000014	0.0000014	0.0000015	0.0000014	0.0000014	0.0000014	0.0000014	0.0000014	0.0000014	0.0000014	0.0000014	0.0000015
Molybdenum	31	SEQG	0.00027	0.00030	0.00031	0.00032	0.00032	0.00030	0.00024	0.00023	0.00028	0.00028	0.00025	0.00026	0.00029	0.00031	0.00028	0.00032
Nickel	0.025	CCME	0.00080	0.00090	0.00081	0.00081	0.00081	0.00078	0.00070	0.00069	0.00084	0.00084	0.00073	0.00073	0.00079	0.00080	0.00079	0.00084
Phosphorus	0.03	iPWQO	0.033	0.040	0.033	0.033	0.033	0.032	0.038	0.039	0.029	0.029	0.035	0.035	0.032	0.033	0.033	0.039
Potassium	-	-	1.3	1.4	1.4	1.4	1.4	1.3	1.1	1.1	1.0	1.0	1.1	1.1	1.3	1.4	1.2	1.4
Selenium	0.002	BC WQG	0.00015	0.00016	0.000156	0.00016	0.00016	0.00015	0.00011	0.00011	0.00014	0.00014	0.000106	0.000107	0.000151	0.000155	0.00015	0.00016
Silver	0.00025	CCME	0.000024	0.000025	0.000024	0.000024	0.000024	0.000023	0.000022	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000023	0.000024
Thallium	0.008	CCME	0.0000046	0.0000054	0.0000041	0.0000041	0.0000041	0.0000042	0.0000052	0.0000051	0.0000051	0.0000051	0.0000051	0.0000051	0.0000041	0.0000041	0.0000046	0.0000052
Tungsten	0.03	iPWQO	0.000033	0.000073	0.000039	0.000040	0.000042	0.000041	0.000057	0.000054	0.000020	0.000021	0.000058	0.000060	0.000037	0.000038	0.000040	0.000060
Uranium	0.015	CCME	0.00029	0.00033	0.00027	0.00027	0.00027	0.00026	0.00023	0.00023	0.00020	0.00020	0.00020	0.00020	0.00026	0.00027	0.00025	0.00027
Vanadium	0.12	FEQG	0.00094	0.0011	0.00091	0.00091	0.00090	0.00088	0.00097	0.00098	0.00095	0.00094	0.00086	0.00086	0.00089	0.00090	0.00091	0.00097
Zinc	0.03	CCME	0.0022	0.0046	0.0026	0.0027	0.0028	0.0026	0.0031	0.0031	0.0047	0.0047	0.0018	0.0019	0.0025	0.0026	0.0027	0.0047
Zirconium	0.004	iPWQO	0.00096	0.00097	0.00098	0.00098	0.00098	0.00094	0.00092	0.00093	0.00094	0.00094	0.00094	0.00094	0.00095	0.00097	0.00094	0.00098
Ammonia, Total (as N)	1.8	CCME	0.050	0.100	0.098	0.10	0.11	0.087	0.127	0.118	0.062	0.066	0.074	0.082	0.074	0.094	0.082	0.13
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00086	0.00085	0.00090	0.00095	0.00074	0.00109	0.00101	0.00054	0.00057	0.00063	0.00070	0.00063	0.00081	0.00071	0.00109
Nitrite (as N)	0.06	CCME	0.014	0.014	0.018	0.018	0.019	0.016	0.0153	0.0147	0.015	0.015	0.0153	0.0157	0.015	0.017	0.015	0.019
Nitrate (as N)	3	CCME	0.178	0.22	0.217	0.22	0.22	0.20	0.101	0.099	0.032	0.033	0.117	0.116	0.205	0.215	0.156	0.22
Cyanide, WAD	0.005	PWQO [3]	0.0047	0.0048	0.0048	0.0048	0.0048	0.0045	0.0045	0.0045	0.0046	0.0046	0.0045	0.0045	0.0046	0.0047	0.0046	0.0048

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-34: Upper Case Operations Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.6	2.0	2.1	2.2	1.8	1.6	1.3	1.3	1.7	1.6	1.9	1.7	1.9	1.7	2.2
Chloride	120	CCME	1.52	2.1	1.7	1.75	1.7	1.8	1.29	1.24	1.41	1.39	1.25	1.64	2.0	1.7	1.65	2.0
Aluminum	0.73	FEQG	0.29	0.71	0.24	0.24	0.24	0.24	0.28	0.27	0.33	0.43	0.19	0.20	0.39	0.21	0.24	0.43
Antimony	0.02	iPWQO	0.00044	0.00045	0.00047	0.00048	0.00048	0.00046	0.00043	0.00042	0.00045	0.00044	0.00044	0.00046	0.00046	0.00045	0.00045	0.00048
Arsenic	0.005	iPWQO	0.0024	0.0034	0.0025	0.0026	0.0026	0.0026	0.0021	0.0021	0.0035	0.0036	0.0029	0.0028	0.0026	0.0025	0.0026	0.0036
Beryllium	0.011	PWQO	0.000024	0.000033	0.000023	0.000023	0.000023	0.000023	0.000016	0.000016	0.000024	0.000027	0.000014	0.000014	0.000022	0.000024	0.000023	0.000027
Boron	1.5	CCME	0.0064	0.0081	0.0067	0.0067	0.0067	0.0066	0.0061	0.0061	0.0074	0.0075	0.0073	0.0070	0.0069	0.0067	0.0067	0.0075
Cadmium	0.000083	CCME	0.0000097	0.000014	0.000012	0.000012	0.0000128	0.0000122	0.0000083	0.0000075	0.0000120	0.0000114	0.0000067	0.0000066	0.000014	0.000013	0.0000122	0.000014
Calcium	-	-	16	19	15	15	15	15	12	11	12	14	13	15	17	15	15	16
Chromium	0.0089	iPWQO [2]	0.00078	0.00147	0.00070	0.00070	0.00070	0.00069	0.00068	0.00067	0.00099	0.00110	0.00061	0.00063	0.00071	0.00064	0.00070	0.00110
Cobalt	0.0009	iPWQO	0.00023	0.00042	0.00024	0.00025	0.00025	0.00024	0.00019	0.00017	0.00035	0.00036	0.00019	0.00020	0.00021	0.00021	0.00022	0.00036
Copper	0.005	iPWQO	0.0012	0.0016	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0013	0.00099	0.00098	0.0012	0.0011	0.0012	0.0013
Iron	0.8	FEQG	0.77	1.03	0.71	0.71	0.71	0.70	0.57	0.56	0.74	0.79	0.53	0.55	0.67	0.64	0.69	0.79
Lead	0.017	FEQG	0.00023	0.00034	0.00030	0.00031	0.00032	0.00030	0.00024	0.00023	0.00030	0.00031	0.00022	0.00024	0.00030	0.00028	0.00030	0.00032
Magnesium	-	-	4.7	5.4	4.4	4.4	4.4	4.3	3.4	3.3	3.5	4.1	3.8	4.2	4.6	4.2	4.2	4.6
Manganese	-	-	0.070	0.086	0.057	0.057	0.057	0.057	0.027	0.026	0.077	0.084	0.042	0.046	0.044	0.043	0.051	0.084
Mercury	0.000026	CCME	0.0000018	0.0000029	0.0000015	0.0000015	0.0000015	0.0000015	0.0000022	0.0000020	0.0000019	0.0000018	0.0000017	0.0000017	0.0000015	0.0000015	0.0000016	0.0000022
Molybdenum	31	SEQG	0.00028	0.00043	0.00029	0.00030	0.00030	0.00029	0.00025	0.00023	0.00027	0.00033	0.00030	0.00032	0.00033	0.00029	0.00029	0.00033
Nickel	0.025	CCME	0.00091	0.00138	0.00084	0.00085	0.00085	0.00083	0.00080	0.00077	0.00106	0.00107	0.00083	0.00085	0.00086	0.00083	0.00085	0.00107
Phosphorus	0.03	iPWQO	0.037	0.043	0.034	0.034	0.034	0.034	0.038	0.038	0.031	0.035	0.037	0.037	0.035	0.034	0.035	0.038
Potassium	-	-	1.4	1.6	1.4	1.4	1.4	1.4	1.2	1.2	1.1	1.2	1.2	1.3	1.4	1.3	1.3	1.4
Selenium	0.002	BC WQG	0.00014	0.00022	0.00016	0.00016	0.00016	0.00016	0.00012	0.00012	0.00014	0.00014	0.000115	0.000111	0.000149	0.000206	0.00015	0.00021
Silver	0.00025	CCME	0.000024	0.000025	0.000024	0.000024	0.000024	0.000023	0.000022	0.000023	0.000024	0.000023	0.000023	0.000024	0.000024	0.000023	0.000024	0.000024
Thallium	0.008	CCME	0.0000053	0.0000104	0.0000044	0.0000044	0.0000045	0.0000045	0.0000054	0.0000052	0.0000073	0.0000075	0.0000061	0.0000059	0.0000051	0.0000043	0.0000051	0.0000075
Tungsten	0.03	iPWQO	0.000050	0.000157	0.000039	0.000039	0.000040	0.000040	0.000054	0.000052	0.000030	0.000059	0.000116	0.000086	0.000073	0.000051	0.000052	0.000116
Uranium	0.015	CCME	0.00031	0.00042	0.00028	0.00028	0.00028	0.00028	0.00025	0.00023	0.00022	0.00024	0.00022	0.00029	0.00032	0.00028	0.00028	0.00032
Vanadium	0.12	FEQG	0.0012	0.0020	0.00100	0.00100	0.00100	0.00098	0.00110	0.00108	0.00130	0.00149	0.00099	0.00100	0.00099	0.00095	0.00100	0.0015
Zinc	0.03	CCME	0.0028	0.0044	0.0029	0.0029	0.0030	0.0029	0.0030	0.0029	0.0046	0.0046	0.0019	0.0022	0.0024	0.0024	0.0029	0.0046
Zirconium	0.004	iPWQO	0.00097	0.00098	0.00099	0.00099	0.00099	0.00096	0.00093	0.00093	0.00097	0.00095	0.00096	0.00096	0.00097	0.00095	0.00096	0.00099
Ammonia, Total (as N)	1.8	CCME	0.066	0.089	0.087	0.09	0.094	0.082	0.114	0.109	0.064	0.067	0.075	0.075	0.070	0.080	0.076	0.11
Ammonia, Unionized (as N)	0.019	CCME	0.00057	0.00076	0.00074	0.00077	0.00080	0.00070	0.00098	0.00094	0.00055	0.00057	0.00065	0.00065	0.00060	0.00069	0.00066	0.00098
Nitrite (as N)	0.06	CCME	0.015	0.015	0.016	0.017	0.017	0.015	0.0139	0.0135	0.015	0.014	0.0150	0.0152	0.015	0.016	0.015	0.017
Nitrate (as N)	3	CCME	0.130	0.20	0.205	0.21	0.20	0.19	0.099	0.087	0.039	0.036	0.105	0.110	0.179	0.184	0.144	0.21
Cyanide, WAD	0.005	PWQO [3]	0.0048	0.0049	0.0048	0.0048	0.0048	0.0046	0.0046	0.0047	0.0047	0.0046	0.0047	0.0046	0.0047	0.0046	0.0047	0.0048

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-35: Upper Case Operations Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality During Operations												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	4.6	4.9	5.9	5.9	5.9	5.9	5.6	5.1	4.9	5.1	5.4	5.6	5.8	5.8	5.6	6.2
Chloride	120	CCME	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.1	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.4
Aluminum	1.4	FEQG	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.23	0.23	0.25	0.25	0.26	0.26	0.26	0.26
Antimony	0.02	iPWQO	0.00029	0.00032	0.00034	0.00035	0.00035	0.00035	0.00033	0.00029	0.00027	0.00028	0.00030	0.00032	0.00033	0.00033	0.00033	0.00036
Arsenic	0.005	iPWQO	0.0069	0.0074	0.0074	0.0074	0.0075	0.0074	0.0069	0.0059	0.0053	0.0055	0.0060	0.0065	0.0070	0.0072	0.0069	0.0075
Beryllium	0.011	PWQO	0.000011	0.000012	0.000011	0.000012	0.000012	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012
Boron	1.5	CCME	0.0060	0.0066	0.0067	0.0069	0.0070	0.0071	0.0066	0.0059	0.0056	0.0058	0.0061	0.0063	0.0064	0.0066	0.0065	0.0071
Cadmium	0.000073	CCME	0.0000068	0.0000084	0.0000104	0.0000108	0.0000111	0.0000114	0.0000112	0.0000101	0.0000092	0.0000091	0.0000093	0.0000095	0.0000097	0.0000100	0.0000103	0.0000126
Calcium	-	-	12	13	13	13	13	13	13	12	11	12	12	12	13	13	13	13
Chromium	0.0089	iPWQO [2]	0.00064	0.00071	0.00064	0.00065	0.00066	0.00070	0.00074	0.00071	0.00067	0.00065	0.00064	0.00063	0.00063	0.00064	0.00065	0.00074
Cobalt	0.0009	iPWQO	0.00015	0.00016	0.00017	0.00017	0.00017	0.00017	0.00016	0.00015	0.00015	0.00015	0.00016	0.00016	0.00017	0.00017	0.00017	0.00018
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0017
Iron	0.79	FEQG	0.33	0.38	0.32	0.31	0.32	0.35	0.39	0.38	0.35	0.34	0.34	0.33	0.33	0.32	0.34	0.39
Lead	0.013	FEQG	0.00014	0.00015	0.00015	0.00015	0.00015	0.00015	0.00014	0.00013	0.00013	0.00013	0.00013	0.00014	0.00014	0.00015	0.00014	0.00015
Magnesium	-	-	3.1	3.3	3.2	3.2	3.3	3.3	3.2	2.9	2.8	2.9	3.0	3.1	3.1	3.2	3.1	3.3
Manganese	-	-	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.013	0.013	0.013	0.014	0.015	0.015	0.015	0.015	0.015
Mercury	0.000026	CCME	0.0000015	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000015	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000017
Molybdenum	31	SEQG	0.00024	0.00025	0.00028	0.00028	0.00028	0.00028	0.00027	0.00025	0.00024	0.00025	0.00026	0.00027	0.00028	0.00028	0.00027	0.00029
Nickel	0.025	CCME	0.0014	0.0015	0.0014	0.0014	0.0015	0.0015	0.0015	0.0014	0.0013	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0015
Phosphorus	0.02	iPWQO	0.034	0.036	0.036	0.037	0.037	0.036	0.034	0.030	0.028	0.028	0.029	0.031	0.034	0.036	0.034	0.037
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
Selenium	0.002	BC WQG	0.00011	0.00013	0.00014	0.00014	0.00015	0.00015	0.00014	0.00013	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00015
Silver	0.00025	CCME	0.0000138	0.000016	0.000016	0.000016	0.000017	0.000017	0.000016	0.000013	0.0000111	0.0000112	0.0000125	0.0000136	0.0000143	0.000015	0.000015	0.000017
Thallium	0.008	CCME	0.0000052	0.0000054	0.0000065	0.0000065	0.0000065	0.0000065	0.0000066	0.0000067	0.0000069	0.0000071	0.0000072	0.0000072	0.0000071	0.0000070	0.0000070	0.0000077
Tungsten	0.03	iPWQO	0.000052	0.000055	0.000086	0.000085	0.000084	0.000082	0.000077	0.000071	0.000070	0.000073	0.000078	0.000082	0.000085	0.000086	0.000080	0.00009
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00013	0.00014
Vanadium	0.12	FEQG	0.00090	0.00093	0.00093	0.00093	0.00093	0.00092	0.00085	0.00078	0.00077	0.00080	0.00084	0.00088	0.00090	0.00092	0.00089	0.00093
Zinc	0.03	CCME	0.0022	0.0025	0.0022	0.0021	0.0021	0.0021	0.0021	0.0022	0.0025	0.0026	0.0026	0.0025	0.0023	0.0022	0.0022	0.0026
Zirconium	0.004	iPWQO	0.00055	0.00065	0.00061	0.00063	0.00066	0.00067	0.00065	0.00054	0.00046	0.00046	0.00049	0.00052	0.00055	0.00058	0.00056	0.00067
Ammonia, Total (as N)	1.8	CCME	0.032	0.036	0.067	0.067	0.067	0.066	0.062	0.056	0.054	0.055	0.059	0.063	0.066	0.067	0.063	0.070
Ammonia, Unionized (as N)	0.019	CCME	0.00027	0.00031	0.00058	0.00058	0.00057	0.00056	0.00053	0.00048	0.00046	0.00048	0.00051	0.00054	0.00057	0.00058	0.00054	0.00060
Nitrite (as N)	0.06	CCME	0.0068	0.0082	0.0088	0.0091	0.0094	0.0096	0.0091	0.0073	0.0058	0.0058	0.0066	0.0074	0.0080	0.0084	0.0081	0.0096
Nitrate (as N)	3	CCME	0.046	0.063	0.098	0.101	0.104	0.108	0.111	0.103	0.094	0.090	0.091	0.093	0.095	0.097	0.097	0.112
Cyanide, WAD	0.005	PWQO [3]	0.0025	0.0030	0.0028	0.0029	0.0031	0.0031	0.0030	0.0024	0.0020	0.0020	0.0022	0.0024	0.0026	0.0027	0.0027	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-36: Upper Case Long-term Equilibrium Water Quality, Chukuni River (CHK-1)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	6.3	6.8	6.7	6.8	6.8	6.8	5.8	5.8	5.9	5.9	5.8	5.8	6.7	6.7	6.3	6.8
Chloride	120	CCME	3.0	3.7	3.0	3.7	3.7	3.8	2.9	2.9	3.0	3.0	2.9	2.9	3.1	3.0	3.0	3.8
Aluminum	0.98	FEQG	0.16	0.21	0.14	0.110	0.110	0.112	0.17	0.17	0.19	0.20	0.22	0.22	0.14	0.14	0.16	0.22
Antimony	0.02	iPWQO	0.00043	0.00045	0.00045	0.00045	0.00045	0.00045	0.00030	0.00030	0.00042	0.00042	0.00042	0.00042	0.00045	0.00045	0.00043	0.00045
Arsenic	0.005	iPWQO	0.0100	0.013	0.0085	0.0100	0.0100	0.0100	0.0057	0.0057	0.0108	0.0108	0.013	0.0126	0.0085	0.0085	0.0100	0.013
Beryllium	0.011	PWQO	0.000010	0.000014	0.000014	0.000011	0.000011	0.000011	0.000010	0.000010	0.000010	0.000010	0.0000101	0.000010	0.000014	0.000014	0.000010	0.000014
Boron	1.5	CCME	0.0057	0.0087	0.0087	0.0058	0.0057	0.0057	0.0050	0.0050	0.0070	0.0070	0.0057	0.0057	0.0087	0.0087	0.0057	0.0087
Cadmium	0.000067	CCME	0.0000097	0.0000140	0.0000140	0.0000138	0.0000138	0.0000138	0.0000040	0.0000040	0.0000049	0.0000049	0.0000056	0.0000056	0.0000140	0.0000140	0.0000097	0.0000140
Calcium	-	-	12	12	12	12	12	12	10	10	12	11.7	11	11	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00059	0.00167	0.00057	0.00167	0.00167	0.00167	0.00059	0.00059	0.00037	0.00037	0.00071	0.0007	0.00057	0.00057	0.00059	0.0017
Cobalt	0.0009	iPWQO	0.00014	0.00020	0.00012	0.000166	0.000166	0.000167	0.00014	0.00014	0.00014	0.000136	0.00020	0.00020	0.00012	0.00012	0.00014	0.00020
Copper	0.005	iPWQO	0.0018	0.0027	0.0019	0.0027	0.0027	0.0027	0.0015	0.0015	0.0015	0.0015	0.0017	0.0017	0.0019	0.0019	0.0018	0.0027
Iron	0.8	FEQG	0.24	1.1	0.19	1.1	1.1	1.1	0.24	0.24	0.24	0.25	0.26	0.26	0.19	0.19	0.25	1.1
Lead	0.012	FEQG	0.000118	0.00017	0.000120	0.000086	0.000086	0.000087	0.00012	0.00012	0.000102	0.000102	0.00017	0.00017	0.000120	0.000120	0.000118	0.00017
Magnesium	-	-	3.0	3.2	3.0	3.2	3.2	3.2	2.6	2.6	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.2
Manganese	-	-	0.0123	0.013	0.0096	0.0132	0.0132	0.0133	0.011	0.011	0.012	0.012	0.013	0.013	0.0097	0.0096	0.0123	0.013
Mercury	0.000026	CCME	0.00000138	0.0000016	0.00000138	0.00000138	0.00000138	0.00000139	0.0000016	0.0000016	0.00000097	0.00000097	0.00000099	0.00000099	0.00000138	0.00000138	0.00000138	0.0000016
Molybdenum	31	SEQG	0.00023	0.00027	0.00022	0.00027	0.00027	0.00027	0.00018	0.00018	0.00024	0.00024	0.00023	0.00023	0.00022	0.00022	0.00023	0.00027
Nickel	0.025	CCME	0.0016	0.0031	0.0016	0.0031	0.0031	0.0031	0.0014	0.0014	0.0013	0.00130	0.0017	0.0017	0.0016	0.0016	0.0016	0.0031
Phosphorus	0.03	iPWQO	0.031	0.060	0.028	0.032	0.032	0.032	0.023	0.023	0.031	0.031	0.060	0.060	0.028	0.028	0.031	0.060
Potassium	-	-	1	1.3	1.1	1.3	1.3	1.3	0.99	0.99	1.05	1.05	1.09	1.1	1.1	1.1	1.1	1.3
Selenium	0.002	BC WQG	0.00012	0.00020	0.00020	0.00012	0.00012	0.00012	0.00012	0.00012	0.00011	0.000109	0.00011	0.0001	0.00020	0.00020	0.00012	0.0002
Silver	0.00025	CCME	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.0000050	0.0000050	0.0000250	0.0000250	0.000020	0.000020	0.000025	0.000025	0.000025	0.000025
Thallium	0.008	CCME	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050	0.0000050
Tungsten	0.03	iPWQO	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Uranium	0.015	CCME	0.00013	0.00013	0.00013	0.00012	0.00012	0.00012	0.000109	0.000109	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013	0.00013
Vanadium	0.12	FEQG	0.00069	0.00094	0.00069	0.00046	0.00046	0.00046	0.00064	0.00064	0.00080	0.00081	0.00094	0.00094	0.00069	0.00069	0.00069	0.00094
Zinc	0.03	CCME	0.0019	0.0050	0.0019	0.0030	0.0030	0.0030	0.0050	0.0050	0.0015	0.0015	0.0015	0.0015	0.0019	0.0019	0.0019	0.0050
Zirconium	0.004	iPWQO	0.00091	0.00100	0.00100	0.00100	0.00100	0.00100	0.00025	0.00025	0.00081	0.00081	0.00083	0.00083	0.00100	0.00100	0.00091	0.00100
Ammonia, Total (as N)	1.8	CCME	0.050	0.050	0.05000	0.05000	0.04999	0.04996	0.02105	0.02103	0.04043	0.040431	0.04948	0.0495	0.04998	0.04999	0.050	0.050
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043	0.00018	0.00018	0.00035	0.00035	0.00043	0.00043	0.00043	0.00043	0.00043	0.00043
Nitrite (as N)	0.06	CCME	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.00051	0.00050	0.01499	0.01498	0.0117	0.0117	0.0150	0.0150	0.0150	0.0150
Nitrate (as N)	3	CCME	0.065	0.17	0.100	0.17	0.17	0.17	0.0097	0.0097	0.024	0.024	0.030	0.030	0.100	0.100	0.065	0.17
Cyanide, WAD	0.005	PWQO [3]	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.005	0.005	0.004	0.004	0.005	0.005	0.005	0.005

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-37: Upper Case Long-term Equilibrium Water Quality, Chukuni River (CHK-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	6.0	6.4	6.4	6.5	6.5	6.5	5.5	5.5	5.6	5.6	5.6	5.6	6.5	6.4	6.0	6.5
Chloride	120	CCME	2.9	3.6	2.9	3.6	3.6	3.7	2.8	2.8	2.9	2.9	2.8	2.9	3.0	2.9	2.9	3.7
Aluminum	0.86	FEQG	0.18	0.23	0.15	0.118	0.117	0.118	0.18	0.18	0.20	0.21	0.21	0.21	0.16	0.15	0.17	0.21
Antimony	0.02	iPWQO	0.00043	0.00045	0.00045	0.00045	0.00045	0.00045	0.00031	0.00031	0.00042	0.00042	0.00042	0.00042	0.00045	0.00045	0.00044	0.00045
Arsenic	0.005	iPWQO	0.0095	0.012	0.0081	0.0095	0.0095	0.0094	0.0054	0.0054	0.0103	0.0103	0.012	0.0120	0.0081	0.0081	0.0095	0.012
Beryllium	0.011	PWQO	0.000012	0.000014	0.000014	0.000012	0.000012	0.000012	0.000010	0.000010	0.000011	0.000011	0.0000103	0.000010	0.000014	0.000014	0.000011	0.000014
Boron	1.5	CCME	0.0059	0.0086	0.0086	0.0059	0.0058	0.0059	0.0051	0.0051	0.0070	0.0071	0.0059	0.0058	0.0086	0.0086	0.0059	0.0086
Cadmium	0.000069	CCME	0.0000096	0.0000140	0.0000140	0.0000138	0.0000138	0.0000147	0.0000050	0.0000049	0.0000058	0.0000058	0.0000063	0.0000063	0.0000141	0.0000140	0.0000101	0.0000147
Calcium	-	-	12	12	12	12	12	12	10	10	12	12	11	11	12	12	12	12
Chromium	0.0089	iPWQO [2]	0.00061	0.00161	0.00058	0.00161	0.00161	0.00160	0.00060	0.00060	0.00042	0.00042	0.00070	0.0007	0.00058	0.00057	0.00060	0.0016
Cobalt	0.0009	iPWQO	0.00016	0.00020	0.00013	0.00017	0.00017	0.00018	0.00015	0.00015	0.00015	0.00015	0.00020	0.00020	0.00013	0.00013	0.00015	0.00020
Copper	0.005	iPWQO	0.0018	0.0026	0.0019	0.0026	0.0026	0.0026	0.0014	0.0014	0.0015	0.0015	0.0016	0.0016	0.0019	0.0019	0.0018	0.0026
Iron	0.8	FEQG	0.29	1.1	0.22	1.1	1.1	1.1	0.26	0.26	0.28	0.28	0.28	0.28	0.21	0.21	0.28	1.1
Lead	0.012	FEQG	0.00013	0.00018	0.00013	0.00010	0.000095	0.000095	0.00012	0.00012	0.00011	0.00011	0.00017	0.00017	0.000126	0.00013	0.00012	0.0002
Magnesium	-	-	3.1	3.3	3.1	3.3	3.3	3.3	2.7	2.7	2.9	3.0	3.0	3.0	3.1	3.1	3.0	3.3
Manganese	-	-	0.016	0.018	0.0128	0.016	0.016	0.017	0.012	0.012	0.017	0.017	0.015	0.015	0.0116	0.0117	0.015	0.017
Mercury	0.000026	CCME	0.00000139	0.0000017	0.00000141	0.00000141	0.00000141	0.00000148	0.0000017	0.0000017	0.00000106	0.00000106	0.00000108	0.00000107	0.00000140	0.00000140	0.00000141	0.0000017
Molybdenum	31	SEQG	0.00024	0.00027	0.00023	0.00027	0.00027	0.00029	0.00020	0.00019	0.00024	0.00025	0.00025	0.00025	0.00023	0.00023	0.00025	0.00029
Nickel	0.025	CCME	0.0016	0.0030	0.0016	0.0030	0.0030	0.0030	0.0014	0.0014	0.0013	0.00128	0.0016	0.0016	0.0016	0.0016	0.0016	0.0030
Phosphorus	0.03	iPWQO	0.031	0.059	0.028	0.032	0.032	0.032	0.024	0.024	0.031	0.031	0.059	0.059	0.028	0.028	0.031	0.059
Potassium	-	-	1.1	1.3	1.1	1.4	1.4	1.4	1.0	1.0	1.1	1.07	1.1	1.1	1.1	1.1	1.1	1.4
Selenium	0.002	BC WQG	0.00012	0.00021	0.00020	0.00012	0.00012	0.00013	0.00012	0.00012	0.00011	0.000114	0.00011	0.0001	0.00020	0.00021	0.00012	0.0002
Silver	0.00025	CCME	0.000025	0.000025	0.000025	0.000025	0.000025	0.000025	0.0000065	0.0000065	0.0000250	0.0000250	0.000020	0.000020	0.000025	0.000025	0.000025	0.000025
Thallium	0.008	CCME	0.0000050	0.0000054	0.0000050	0.0000050	0.0000050	0.0000050	0.0000051	0.0000050	0.0000052	0.0000052	0.0000051	0.0000051	0.0000050	0.0000050	0.0000050	0.0000052
Tungsten	0.03	iPWQO	0.000050	0.000056	0.000050	0.000050	0.000051	0.000053	0.000053	0.000052	0.000050	0.000052	0.000056	0.000054	0.000052	0.000051	0.000052	0.000056
Uranium	0.015	CCME	0.00014	0.00015	0.00014	0.00014	0.00013	0.00014	0.00012	0.00012	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014	0.00014
Vanadium	0.12	FEQG	0.00071	0.00095	0.00071	0.00050	0.00050	0.00051	0.00068	0.00068	0.00084	0.00086	0.00095	0.00095	0.00071	0.00071	0.00071	0.0009
Zinc	0.03	CCME	0.0019	0.0048	0.0019	0.0030	0.0030	0.0030	0.0049	0.0048	0.0017	0.0017	0.0016	0.0016	0.0019	0.0019	0.0019	0.0049
Zirconium	0.004	iPWQO	0.00092	0.00100	0.00100	0.00100	0.00100	0.00100	0.00031	0.00031	0.00082	0.00082	0.00084	0.00084	0.00100	0.00100	0.00092	0.00100
Ammonia, Total (as N)	1.8	CCME	0.050	0.051	0.05090	0.05099	0.05097	0.05103	0.02671	0.02714	0.04176	0.041797	0.05031	0.0500	0.05036	0.05052	0.050	0.051
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00044	0.00044	0.00044	0.00044	0.00044	0.00023	0.00023	0.00036	0.00036	0.00043	0.00043	0.00043	0.00043	0.00043	0.00044
Nitrite (as N)	0.06	CCME	0.0149	0.0150	0.0149	0.0149	0.0149	0.0148	0.00139	0.00145	0.0149	0.0148	0.0118	0.0118	0.0149	0.0149	0.0149	0.0149
Nitrate (as N)	3	CCME	0.069	0.17	0.106	0.17	0.17	0.17	0.016	0.016	0.025	0.025	0.034	0.035	0.104	0.104	0.069	0.17
Cyanide, WAD	0.005	PWQO [3]	0.0050	0.0050	0.0050	0.0050	0.0050	0.0049	0.00080	0.00082	0.0050	0.0050	0.0039	0.0039	0.0050	0.0050	0.0050	0.0050

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-38: Upper Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-2)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.2	1.8	1.9	2.0	1.9	1.3	1.2	1.2	1.4	1.6	1.6	1.2	1.7	1.6	2.0
Chloride	120	CCME	0.9	1.2	1.4	1.4	1.4	1.4	0.78	0.74	0.60	0.68	0.75	0.75	1.2	1.3	1.0	1.4
Aluminum	0.8	FEQG	0.20	0.27	0.18	0.18	0.178	0.16	0.21	0.21	0.19	0.18	0.11	0.11	0.18	0.18	0.18	0.21
Antimony	0.02	iPWQO	0.00044	0.00044	0.00047	0.00048	0.00048	0.00047	0.00044	0.00044	0.00045	0.00045	0.00045	0.00045	0.00044	0.00046	0.00045	0.00048
Arsenic	0.005	iPWQO	0.0023	0.0036	0.0023	0.0023	0.0023	0.0023	0.0019	0.0019	0.0035	0.0034	0.0025	0.0025	0.0023	0.0023	0.0023	0.0035
Beryllium	0.011	PWQO	0.000022	0.000024	0.000023	0.000024	0.000023	0.000022	0.000014	0.000014	0.000020	0.000020	0.000013	0.000012	0.000022	0.000023	0.000021	0.000024
Boron	1.5	CCME	0.0070	0.0078	0.0077	0.0078	0.0079	0.0076	0.0064	0.0064	0.0078	0.0079	0.0070	0.0070	0.0071	0.0076	0.0076	0.0079
Cadmium	0.000078	CCME	0.0000099	0.000010	0.000010	0.0000103	0.0000102	0.0000095	0.0000063	0.0000061	0.0000094	0.0000093	0.0000041	0.0000042	0.000010	0.000010	0.0000095	0.000010
Calcium	-	-	14	16	15	15	15	15	11	11	12	12	12	12	15	15	13	15
Chromium	0.0089	iPWQO [2]	0.00065	0.00079	0.00064	0.00065	0.00065	0.00066	0.00060	0.00059	0.00074	0.00075	0.00053	0.00053	0.00062	0.00064	0.00064	0.00075
Cobalt	0.0009	iPWQO	0.00018	0.00030	0.00020	0.00020	0.00021	0.00019	0.00013	0.00013	0.00028	0.00028	0.00015	0.00014	0.00017	0.00020	0.00019	0.00028
Copper	0.005	iPWQO	0.0012	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.00103	0.00103	0.00088	0.00087	0.0011	0.0011	0.0011	0.0011
Iron	0.8	FEQG	0.63	0.68	0.62	0.62	0.61	0.56	0.46	0.47	0.54	0.53	0.41	0.41	0.60	0.62	0.55	0.62
Lead	0.016	FEQG	0.00022	0.00023	0.00021	0.00021	0.00021	0.00019	0.00018	0.00019	0.00021	0.00021	0.00014	0.00014	0.00021	0.00021	0.00021	0.00021
Magnesium	-	-	4.0	4.5	4.1	4.1	4.1	3.9	3.1	3.1	3.3	3.3	3.2	3.2	4.1	4.1	3.6	4.1
Manganese	-	-	0.047	0.081	0.047	0.047	0.047	0.043	0.022	0.021	0.074	0.072	0.027	0.027	0.044	0.046	0.045	0.074
Mercury	0.000026	CCME	0.0000014	0.0000024	0.0000016	0.0000017	0.0000017	0.0000020	0.0000019	0.0000017	0.0000016	0.0000017	0.0000018	0.0000018	0.0000014	0.0000016	0.0000017	0.0000020
Molybdenum	31	SEQG	0.00027	0.00030	0.00035	0.00036	0.00037	0.00049	0.00037	0.00033	0.00034	0.00039	0.00040	0.00040	0.00030	0.00034	0.00036	0.00049
Nickel	0.025	CCME	0.00080	0.00090	0.00078	0.00079	0.00078	0.00073	0.00067	0.00067	0.00082	0.00081	0.00070	0.00069	0.00075	0.00078	0.00076	0.00082
Phosphorus	0.03	iPWQO	0.033	0.040	0.032	0.032	0.032	0.030	0.036	0.037	0.028	0.028	0.033	0.033	0.032	0.032	0.032	0.037
Potassium	-	-	1.3	1.4	1.5	1.5	1.6	1.6	1.2	1.2	1.1	1.1	1.3	1.3	1.4	1.5	1.3	1.6
Selenium	0.002	BC WQG	0.00015	0.00016	0.000174	0.00018	0.00018	0.00018	0.00013	0.00013	0.00015	0.00016	0.00013	0.00013	0.000156	0.000170	0.00016	0.00018
Silver	0.00025	CCME	0.000024	0.000025	0.000025	0.000025	0.000025	0.000024	0.000023	0.000023	0.000023	0.000024	0.000024	0.000024	0.000023	0.000024	0.000024	0.000025
Thallium	0.008	CCME	0.0000046	0.0000054	0.0000042	0.0000042	0.0000043	0.0000045	0.0000053	0.0000052	0.0000051	0.0000052	0.0000053	0.0000053	0.0000041	0.0000042	0.0000048	0.0000053
Tungsten	0.03	iPWQO	0.000033	0.000073	0.000048	0.000051	0.000054	0.000069	0.000069	0.000064	0.000029	0.000038	0.000079	0.000078	0.000037	0.000046	0.000052	0.000079
Uranium	0.015	CCME	0.00029	0.00033	0.00030	0.00031	0.00031	0.00036	0.00029	0.00027	0.00023	0.00025	0.00027	0.00027	0.00028	0.00030	0.00028	0.00036
Vanadium	0.12	FEQG	0.00094	0.0011	0.00095	0.00096	0.00096	0.00105	0.00108	0.00106	0.00100	0.00103	0.00099	0.00098	0.00090	0.00094	0.00098	0.00108
Zinc	0.03	CCME	0.0022	0.0046	0.0022	0.0022	0.0022	0.0023	0.0029	0.0029	0.0045	0.0044	0.0016	0.0016	0.0022	0.0022	0.0022	0.0045
Zirconium	0.004	iPWQO	0.00096	0.00097	0.00099	0.00100	0.00100	0.00096	0.00092	0.00093	0.00094	0.00095	0.00095	0.00094	0.00093	0.00098	0.00095	0.0010
Ammonia, Total (as N)	1.8	CCME	0.050	0.100	0.058130	0.05945	0.06051	0.05666	0.09687	0.10000	0.05099	0.05262	0.05345	0.05324	0.051059	0.056921	0.057	0.100
Ammonia, Unionized (as N)	0.019	CCME	0.00043	0.00086	0.00050	0.00051	0.00052	0.00049	0.00083	0.00086	0.00044	0.00045	0.00046	0.00046	0.00044	0.00049	0.00049	0.00086
Nitrite (as N)	0.06	CCME	0.014	0.014	0.014	0.014	0.014	0.012	0.0124	0.0129	0.013	0.013	0.0128	0.0126	0.013	0.014	0.013	0.014
Nitrate (as N)	3	CCME	0.178	0.22	0.211	0.21	0.21	0.18	0.097	0.095	0.031	0.032	0.108	0.107	0.201	0.209	0.145	0.21
Cyanide, WAD	0.005	PWQO [3]	0.0047	0.0048	0.0046	0.0046	0.0045	0.0042	0.0042	0.0044	0.0044	0.0044	0.0043	0.0042	0.0044	0.0046	0.0044	0.0046

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-39: Upper Case Long-term Equilibrium Water Quality, Dixie Creek (DIX-5)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	1.0	1.6	1.8	1.9	2.0	2.7	1.9	1.7	1.5	2.0	2.2	2.3	1.5	1.7	1.9	2.7
Chloride	120	CCME	1.5	2.1	1.8	1.9	1.9	2.1	1.5	1.4	1.5	1.5	1.5	1.8	2.0	1.8	1.8	2.1
Aluminum	0.73	FEQG	0.29	0.71	0.22	0.22	0.22	0.20	0.25	0.25	0.31	0.40	0.16	0.17	0.37	0.19	0.22	0.40
Antimony	0.02	iPWQO	0.00044	0.00045	0.00048	0.00048	0.00049	0.00052	0.00045	0.00044	0.00046	0.00046	0.00048	0.00049	0.00046	0.00046	0.00047	0.00052
Arsenic	0.005	iPWQO	0.0024	0.0034	0.0024	0.0024	0.0024	0.0025	0.0021	0.0021	0.0034	0.0035	0.0028	0.0027	0.0025	0.0024	0.0024	0.0035
Beryllium	0.011	PWQO	0.000024	0.000033	0.000023	0.000023	0.000023	0.000021	0.000015	0.000015	0.000024	0.000026	0.000014	0.000014	0.000022	0.000024	0.000022	0.000026
Boron	1.5	CCME	0.0064	0.0081	0.0072	0.0072	0.0073	0.0073	0.0064	0.0064	0.0076	0.0077	0.0077	0.0073	0.0071	0.0071	0.0072	0.0077
Cadmium	0.000083	CCME	0.0000097	0.000014	0.000014	0.000014	0.000015	0.000026	0.000017	0.000015	0.000016	0.000017	0.000017	0.000017	0.000015	0.000015	0.000016	0.000026
Calcium	-	-	16	19	15	16	16	15	12	11	12	14	14	15	16	15	15	16
Chromium	0.0089	iPWQO [2]	0.00078	0.00147	0.00069	0.00069	0.00069	0.00067	0.00066	0.00065	0.00097	0.00106	0.00060	0.00062	0.00070	0.00063	0.00068	0.00106
Cobalt	0.0009	iPWQO	0.00023	0.00042	0.00024	0.00024	0.00025	0.00028	0.00021	0.00020	0.00036	0.00037	0.00023	0.00023	0.00021	0.00021	0.00023	0.00037
Copper	0.005	iPWQO	0.0012	0.0016	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012	0.0013	0.00097	0.00095	0.0012	0.0011	0.0011	0.0013
Iron	0.8	FEQG	0.77	1.03	0.69	0.68	0.68	0.62	0.52	0.53	0.70	0.74	0.48	0.49	0.64	0.62	0.63	0.74
Lead	0.017	FEQG	0.00023	0.00034	0.00022	0.00022	0.000214	0.000196	0.000187	0.00019	0.00025	0.00026	0.00016	0.00017	0.00023	0.00020	0.00021	0.00026
Magnesium	-	-	4.7	5.4	4.3	4.3	4.3	4.2	3.3	3.3	3.5	4.0	3.7	4.1	4.6	4.1	4.1	4.6
Manganese	-	-	0.070	0.086	0.057	0.058	0.058	0.057	0.028	0.027	0.076	0.082	0.043	0.046	0.044	0.044	0.051	0.082
Mercury	0.000026	CCME	0.0000018	0.0000029	0.0000018	0.0000019	0.0000019	0.0000025	0.0000028	0.0000025	0.0000022	0.0000023	0.0000024	0.0000024	0.0000017	0.0000018	0.0000022	0.0000028
Molybdenum	31	SEQG	0.00028	0.00043	0.00034	0.00035	0.00036	0.00049	0.00038	0.00033	0.00034	0.00043	0.00045	0.00046	0.00036	0.00033	0.00036	0.00049
Nickel	0.025	CCME	0.00091	0.00138	0.00086	0.00086	0.00087	0.0009	0.00087	0.00083	0.00107	0.00110	0.0009	0.00091	0.00086	0.00084	0.00087	0.0011
Phosphorus	0.03	iPWQO	0.037	0.043	0.033	0.033	0.033	0.031	0.036	0.037	0.031	0.034	0.035	0.034	0.034	0.034	0.034	0.037
Potassium	-	-	1.4	1.6	1.5	1.5	1.5	1.6	1.3	1.3	1.2	1.3	1.3	1.5	1.5	1.4	1.4	1.6
Selenium	0.002	BC WQG	0.00014	0.00022	0.00019	0.00019	0.00019	0.00024	0.00017	0.00016	0.00017	0.00018	0.00018	0.00017	0.000164	0.00023	0.00018	0.00024
Silver	0.00025	CCME	0.000024	0.000025	0.000025	0.000025	0.000025	0.000027	0.000024	0.000024	0.000025	0.000025	0.000026	0.000026	0.000024	0.000024	0.000025	0.000027
Thallium	0.008	CCME	0.0000053	0.0000104	0.0000046	0.0000047	0.0000047	0.0000053	0.0000057	0.0000055	0.0000074	0.0000076	0.0000065	0.0000063	0.0000052	0.0000045	0.0000054	0.0000076
Tungsten	0.03	iPWQO	0.000050	0.000157	0.000052	0.000055	0.000057	0.000091	0.000082	0.000075	0.000046	0.000082	0.000145	0.000117	0.000079	0.000063	0.000077	0.000145
Uranium	0.015	CCME	0.00031	0.00042	0.00031	0.00032	0.00032	0.00037	0.00030	0.00028	0.00025	0.00028	0.00029	0.00035	0.00034	0.00031	0.00031	0.00037
Vanadium	0.12	FEQG	0.0012	0.0020	0.00102	0.00103	0.00103	0.00110	0.00117	0.00113	0.00132	0.0015	0.00108	0.00108	0.00099	0.00098	0.00108	0.0015
Zinc	0.03	CCME	0.0028	0.0044	0.0027	0.0027	0.0028	0.0034	0.0032	0.0031	0.0046	0.0046	0.0023	0.0025	0.0023	0.0023	0.0028	0.0046
Zirconium	0.004	iPWQO	0.00097	0.00098	0.00101	0.00102	0.00102	0.0011	0.00098	0.00098	0.00099	0.00099	0.00103	0.00103	0.00097	0.00097	0.00100	0.0011
Ammonia, Total (as N)	1.8	CCME	0.066	0.09	0.06361	0.06449	0.06533	0.06441	0.09540	0.09758	0.05787	0.05916	0.06311	0.05912	0.056754	0.05876	0.063	0.098
Ammonia, Unionized (as N)	0.019	CCME	0.00057	0.00076	0.00055	0.00055	0.00056	0.00055	0.00082	0.00084	0.00050	0.00051	0.00054	0.00051	0.00049	0.00051	0.00054	0.00084
Nitrite (as N)	0.06	CCME	0.015	0.015	0.014	0.014	0.014	0.013	0.0121	0.0124	0.014	0.013	0.0134	0.0132	0.014	0.013	0.013	0.014
Nitrate (as N)	3	CCME	0.130	0.20	0.200	0.20	0.20	0.18	0.097	0.085	0.040	0.037	0.100	0.105	0.176	0.180	0.140	0.20
Cyanide, WAD	0.005	PWQO [3]	0.0048	0.0049	0.0047	0.0047	0.0046	0.0043	0.0044	0.0045	0.0046	0.0044	0.0044	0.0044	0.0046	0.0045	0.0045	0.0047

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines

Table H-40: Upper Case Long-term Equilibrium Water Quality, Pakwash Lake (PAK-OUT)

Parameter	Water Quality Guideline[1]	Source	Model Baseline Water Quality		Upper Case Model Results, Median Monthly Water Quality, Long-term Equilibrium												Predicted Overall Range	
					January	February	March	April	May	June	July	August	September	October	November	December		
			Median	95th													Median	95th
Sulphate	218	BC WQG	4.6	4.9	4.8	4.9	4.9	5.0	4.8	4.3	4.2	4.3	4.4	4.5	4.6	4.7	4.6	5.0
Chloride	120	CCME	2.2	2.3	2.3	2.3	2.3	2.4	2.3	2.1	2.0	2.0	2.1	2.2	2.2	2.2	2.2	2.4
Aluminum	1.4	FEQG	0.26	0.26	0.26	0.26	0.26	0.25	0.24	0.23	0.23	0.23	0.24	0.25	0.26	0.26	0.25	0.26
Antimony	0.02	iPWQO	0.00029	0.00032	0.00031	0.00032	0.00033	0.00033	0.00031	0.00027	0.00025	0.00026	0.00028	0.00029	0.00030	0.00030	0.00030	0.00033
Arsenic	0.005	iPWQO	0.0069	0.0074	0.0074	0.0074	0.0075	0.0074	0.0069	0.0059	0.0053	0.0055	0.0060	0.0065	0.0070	0.0072	0.0069	0.0075
Beryllium	0.011	PWQO	0.000011	0.000012	0.000011	0.000012	0.000012	0.000012	0.000011	0.000010	0.000010	0.000010	0.000011	0.000011	0.000011	0.00001	0.000011	0.000012
Boron	1.5	CCME	0.0060	0.0066	0.0063	0.0064	0.0066	0.0066	0.0062	0.0055	0.0052	0.0054	0.0057	0.0059	0.0059	0.0061	0.0060	0.0066
Cadmium	0.000073	CCME	0.0000068	0.0000084	0.0000075	0.0000080	0.0000084	0.0000089	0.0000089	0.0000080	0.0000071	0.0000068	0.0000068	0.0000067	0.0000067	0.0000070	0.0000073	0.0000089
Calcium	-	-	12	13	13	13	13	13	12	11	11	11	12	12	12	12	12	13
Chromium	0.0089	iPWQO [2]	0.00064	0.00071	0.00064	0.00065	0.00066	0.00070	0.00074	0.00071	0.00067	0.00065	0.00063	0.00063	0.00063	0.00064	0.00065	0.00074
Cobalt	0.0009	iPWQO	0.00015	0.00016	0.00016	0.00016	0.00016	0.00016	0.00015	0.00014	0.00014	0.00014	0.00015	0.00015	0.00016	0.00016	0.00016	0.00016
Copper	0.005	iPWQO	0.0016	0.0017	0.0016	0.0016	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0015	0.0015	0.0016	0.0016	0.0016	0.0017
Iron	0.79	FEQG	0.33	0.38	0.32	0.31	0.32	0.35	0.39	0.38	0.35	0.34	0.34	0.33	0.33	0.32	0.33	0.39
Lead	0.013	FEQG	0.00014	0.00015	0.00015	0.00015	0.00015	0.00015	0.00014	0.00012	0.00012	0.00013	0.00013	0.00013	0.00014	0.00014	0.00014	0.00015
Magnesium	-	-	3.1	3.3	3.2	3.2	3.3	3.3	3.1	2.9	2.8	2.9	3.0	3.1	3.1	3.1	3.1	3.3
Manganese	-	-	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.015
Mercury	0.000026	CCME	0.0000015	0.0000016	0.0000016	0.0000016	0.0000016	0.0000016	0.0000015	0.0000015	0.0000015	0.0000016	0.0000016	0.0000016	0.0000015	0.0000015	0.0000016	0.0000016
Molybdenum	31	SEQG	0.00024	0.00025	0.00025	0.00025	0.00025	0.00025	0.00024	0.00022	0.00022	0.00022	0.00023	0.00024	0.00024	0.00024	0.00024	0.00025
Nickel	0.025	CCME	0.0014	0.0015	0.0014	0.0014	0.0015	0.0015	0.0015	0.0014	0.0013	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0015
Phosphorus	0.02	iPWQO	0.034	0.036	0.036	0.037	0.037	0.036	0.034	0.030	0.028	0.028	0.029	0.031	0.034	0.036	0.034	0.037
Potassium	-	-	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Selenium	0.002	BC WQG	0.00011	0.00013	0.00012	0.00013	0.00013	0.00014	0.00013	0.00012	0.00011	0.00011	0.00011	0.00011	0.00012	0.00012	0.00012	0.00014
Silver	0.00025	CCME	0.0000138	0.000016	0.000015	0.000016	0.000016	0.000016	0.000016	0.0000128	0.0000107	0.0000108	0.0000120	0.0000131	0.0000138	0.0000144	0.0000141	0.000016
Thallium	0.008	CCME	0.0000052	0.0000054	0.0000053	0.0000054	0.0000054	0.0000054	0.0000051	0.0000048	0.0000047	0.0000049	0.0000051	0.0000052	0.0000052	0.0000053	0.0000052	0.0000054
Tungsten	0.03	iPWQO	0.000052	0.000055	0.000054	0.000055	0.000055	0.000055	0.000052	0.000048	0.000048	0.000049	0.000051	0.000052	0.000053	0.000054	0.000053	0.000055
Uranium	0.015	CCME	0.00013	0.00014	0.00014	0.00014	0.00014	0.00014	0.00013	0.00012	0.00012	0.00012	0.00013	0.00013	0.00013	0.00013	0.00013	0.00014
Vanadium	0.12	FEQG	0.00090	0.00093	0.00093	0.00093	0.00093	0.00092	0.00085	0.00078	0.00077	0.00080	0.00084	0.00088	0.00090	0.00092	0.00089	0.00093
Zinc	0.03	CCME	0.0022	0.0025	0.0022	0.0021	0.0021	0.0021	0.0021	0.0022	0.0025	0.0026	0.0026	0.0025	0.0023	0.0022	0.0022	0.0026
Zirconium	0.004	iPWQO	0.00055	0.00065	0.00061	0.00064	0.00066	0.00068	0.00065	0.00054	0.00047	0.00046	0.00049	0.00053	0.00055	0.00058	0.00057	0.00068
Ammonia, Total (as N)	1.8	CCME	0.032	0.036	0.03445	0.03551	0.03637	0.03693	0.03510	0.03021	0.02719	0.02724	0.02867	0.03024	0.03177	0.03316	0.032	0.037
Ammonia, Unionized (as N)	0.019	CCME	0.00027	0.00031	0.00030	0.00031	0.00031	0.00032	0.00030	0.00026	0.00023	0.00023	0.00025	0.00026	0.00027	0.00029	0.00028	0.00032
Nitrite (as N)	0.06	CCME	0.0068	0.0082	0.0076	0.0080	0.0083	0.0086	0.0081	0.0063	0.0048	0.0048	0.0055	0.0062	0.0067	0.0072	0.0070	0.0086
Nitrate (as N)	3	CCME	0.046	0.063	0.045	0.049	0.054	0.060	0.066	0.060	0.050	0.044	0.041	0.039	0.039	0.041	0.047	0.066
Cyanide, WAD	0.005	PWQO [3]	0.0025	0.0030	0.0028	0.0029	0.0030	0.0031	0.0029	0.0024	0.0019	0.0019	0.0021	0.0024	0.0025	0.0026	0.0026	0.0031

1 Where applicable, receiving environment benchmarks are here calculated using 25th percentile hardness and pH of baseline monitoring station to be **conservative**
2 Guideline corresponds to Cr(III)
3 the PWQO is for free cyanide
All units mg/L.
- value not available
Grey highlighted values are greater than identified Water Quality Guidelines for the Projection of Aquatic Life
WAD Cyanide: weak acid dissociable cyanide
PWQO: Provincial Water Quality Objectives; iPWQO: interim PWQO.
CWQG: Corresponds to the most up-to date Canadian Council of Ministers of the Environment (CCME) of Federal Environmental Quality Guideline for the Protection of Aquatic Life.
FEQG: Federal Environmental Quality Guidelines
BC WQG: British Columbia Water Quality Guidelines
SEQG: Saskatchewan Environmental Quality Guidelines